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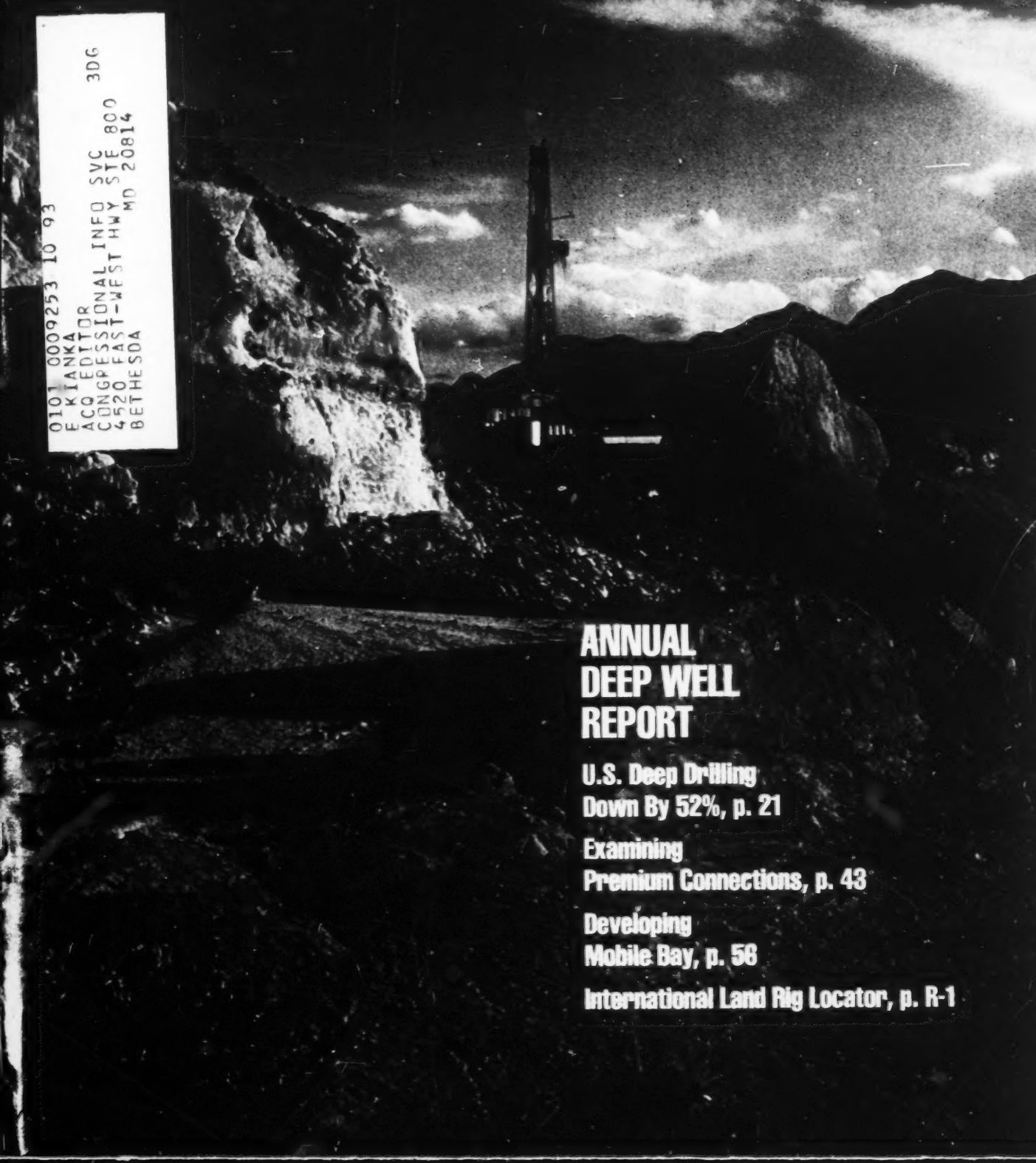

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Drilling Decline May Be Traditional Slump

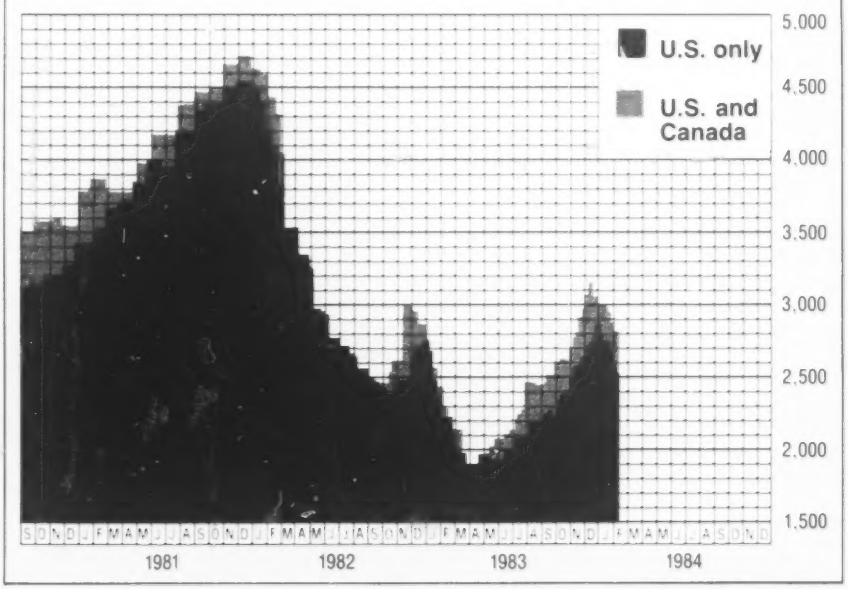
Everybody's got time for the waiting game this year as far as Hughes Tool Co.'s rotary rig count is concerned. As of early February, U.S. rig activity appeared to be at about the midway mark in its traditional springtime slump. And rig watchers were patiently waiting to see if this year's slump really is traditional. If so, and if the count shows solid advances during April, it could mean a return to near normalcy for U.S. drillers. Not to the boom days of 1980 and 1981, of course, but to the conventional drilling years in which peak activity occurs during December after having steadily improved since springtime.

If the count doesn't start moving up soon, it could signal a return to the unconventional pattern of 1982. So, it's easy to see why rig watchers this year are waiting a bit before readjusting their 1984 predictions.

Rotary rigs actually making hole in United States & Canada

As Reported To International Association Of Drilling Contractors By Hughes Tool Co.

	Jan. 16, 1984	Jan. 23, 1984	Jan. 30, 1984	Feb. 6, 1984
Alabama				
Land	15	17	13	12
Inland Waters	1	0	0	0
Offshore	0	1	1	1
Alaska				
Land	8	11	11	11
Offshore	5	3	4	3
Total	13	14	15	14
Arkansas	33	36	29	22
California				
Land	82	74	74	67
Offshore	23	21	21	21
Total	105	95	95	88
Colorado	61	59	54	48
Florida	8	8	8	7
Georgia	1	1	1	1
Idaho	1	1	1	1
Illinois	45	47	48	41
Indiana	7	2	5	6
Kansas	141	136	133	125
Kentucky	6	9	7	7
North Louisiana	35	33	31	32
South Louisiana				
Inland Waters	55	57	58	54
Land	116	109	111	106
Offshore	145	137	145	143
Total	351	336	345	335
Michigan	40	38	37	35
Mississippi	32	37	41	39
Montana	48	45	39	40
Nebraska	11	11	7	8
Nevada	1	1	0	0
New Jersey	1	1	1	0
New Mexico	77	78	76	67
New York	13	16	15	13
North Dakota	63	58	49	49
Ohio	59	55	56	55
Oklahoma	389	408	384	364
Pennsylvania	29	29	29	28
South Da'kota	2	2	2	2
Tennessee	1	2	1	1
Texas				
Offshore	43	42	38	41
Inland Waters	5	6	5	4
Dist. 1-S. Central Tex.	22	20	19	21
Dist. 2-Middle Tex. Coast	54	52	47	50
Dist. 3-Upper Tex. Coast	116	113	110	109
Dist. 4-Lower Tex. Coast	92	94	87	92
Dist. 5-Northeast Tex.	23	31	31	32
Dist. 6-Far Northeast Tex.	80	75	79	79
Dist. 7B-N. Central Tex.	56	56	57	55
Dist. 7C-W. Central Tex.	70	71	68	61
Dist. 8-Far West Tex.	140	138	142	142
Dist. 8A-West Tex.	73	68	55	62
Dist. 9-North Tex.	75	74	76	84
Dist. 10-Tex. Panhandle	57	60	55	56
Total	906	900	869	888
Utah	48	54	50	47
Virginia	0	0	1	2
Washington	1	1	1	1
West Virginia	37	34	33	30
Wyoming	129	122	124	138
Total U.S.	2,675	2,654	2,569	2,516
Canada	280	288	289	293
Canada-Offshore	12	12	14	14
U.S. and Canada	2,956	2,955	2,872	2,823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ABOUT THE COVER: Rig 119 drills for Coastal Oil and Gas Co. in Wyoming's Wind River Basin. For details on all deep drilling last year, see page 21. (Photo courtesy of Loffland Brothers Co.)

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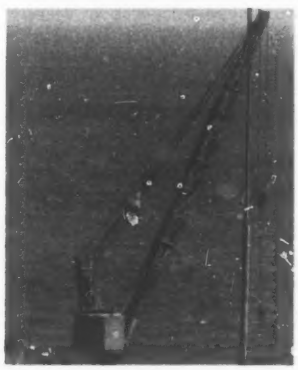

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by Rich McNally, Associate Editor, and Laura Jacobus, Assistant Editor. Last year's total of 577 wells drilled to 15,000 ft or deeper represents a decline of 628 wells from 1982 for the sharpest drop in history.

32 **Ultradeep Drilling Falls To 16-Year Low**

The total number of 20,000-ft wells drilled in the U.S. last year was 37. That is the lowest total for any year since 1967, and it is 95 fewer ultradeep wells than were drilled during deep drilling's record-breaking year of 1982.

37 **Deep Well Map**

State-by-state data on last year's 577 deep U.S. wells, including historical trends in average depths, costs, bits, and expenditures for drilling fluids, plus a complete listing of the country's 172 deep well operators.

43 **How Loading Affects Tubular Thread Shoulder Seals**

by Max Raulins, Otis Engineering Corp. The trend toward deeper, sour gas wells with high pressures and temperatures calls for connections to be carefully examined.

Petroleum Engineer INTERNATIONAL

NEXT ISSUE: The Annual Ocean Technology Report in the March 15 issue will cover innovations in offshore drilling and producing.

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by Harrison T. Brundage, Gulf Coast Editor. Few, if any, of the world's oil and gas fields have been the target of such deep directional drilling as is going on at Mobile Bay, an unusually sensitive environmental area.

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Mechanical specifications, ratings, locations, and status are listed for each of the 5,000 contract rotary drilling rigs operated by the more than 700 independent drilling contractors throughout the Free World.

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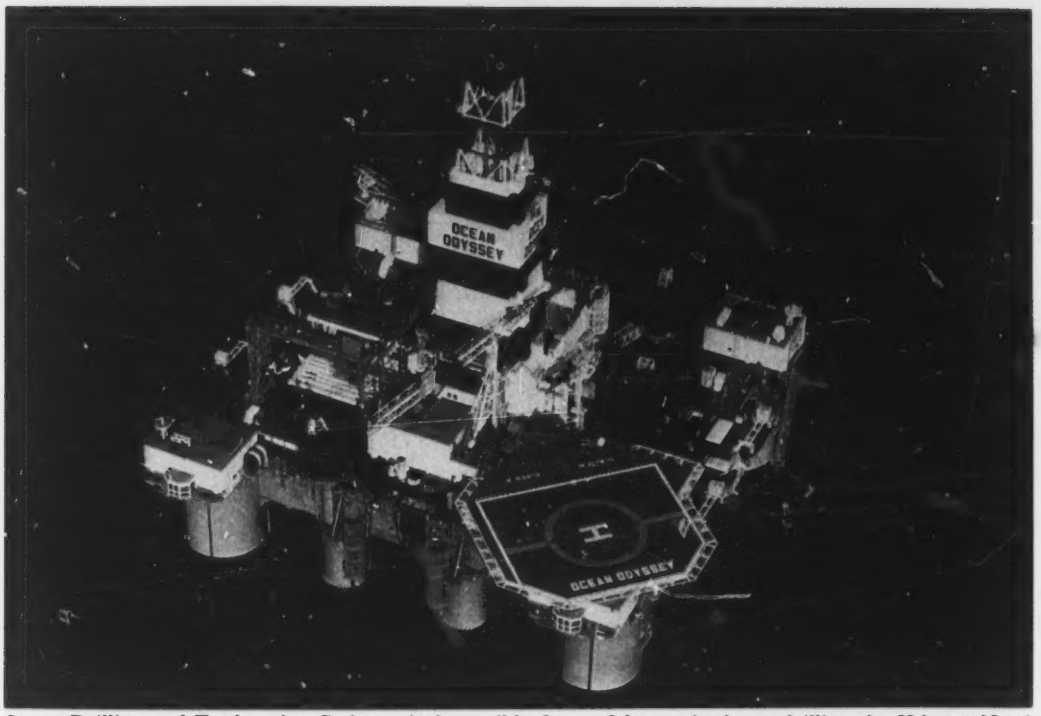


Ocean Drilling and Exploration Co.'s semisubmersible Ocean Odyssey is shown drilling the Yakutat No. 1 wildcat for ARCO Exploration Co. in the Gulf of Alaska. The well was drilled to total depth of 17,810 ft.

Deep Drilling In U.S. Declines By 52% In 1983

by Rich McNally, *Associate Editor*, and Laura Jacobus, *Assistant Editor*

Deep drilling came back to the real world in 1983 after having soared to an all-time high during 1982 in defiance of that year's record drop in U.S. rotary rig activity.

Last year's total of 577 wells drilled to 15,000 ft or deeper in the U.S. represents a 52% decline from the previous year's total of 1,205 deep completions. It is the sharpest drop in the history of deep drilling, and the 628-well difference between 1982 and 1983 would be a higher total than for any year but the previous 3 in the 40-year history of PETROLEUM ENGINEER INTERNATIONAL's computerized Deep Well Report. Nevertheless, the 577 deep completions put 1983 in sixth place on the all-time high list. The bad news is that they brought to an end a string of 7 consecutive years in which U.S. deep well completions had risen steadily.

Completions, for the purposes of the Annual Deep Well Report, are defined as wells that reach total depth of 15,000 ft or more during the year, regardless of whether production equipment has been installed. Some of the wells listed as dry holes, therefore, are still being tested as of this writing. As a result, their classifications could change when final test results are in.

The big three among deep drilling states – Texas, Oklahoma, and Louisiana – contributed 1,000 completions to 1982's total. That was 83% of all deep wells drilled during the year. During 1983, the same three states accounted for 471 deep wells, or 82% of the total. Oklahoma, where Anadarko Basin drilling is one of the major casualties of the nation's current natural gas glut, led the decline with a drop of 349 deep completions for a 71% loss that is far above the national average. Texas deep drilling declined by 97 wells (46%), and Louisiana was off by 83 (39%).

Some 142 of Oklahoma's deep wells were drilled in the Anadarko Basin of western Oklahoma, and the other two were drilled in Latimer County. That's in the Arkoma Basin area of eastern Oklahoma and northern Arkansas, and it accounted for three deep wells in 1982 (one of them in Arkansas). So, virtually all of Oklahoma's deep well decline last year occurred in the Anadarko, where 2 and 3 years ago big rigs stood cheek by jowl in the industry's all-out effort to tap deep gas that was selling for upwards of $10/Mcf. By the end of 1982, however, the price for deep gas was closer to $5/Mcf and the national gas bubble had begun to inflate. So, Oklahoma lost its first place position to Louisiana last year, but, if it's any consolation, the state managed

	U.S.*			Alabama land			Alabama offshore		
	1981 (1,066 wells)	1982 (1,205 wells)	1983 (577 wells)	1981 (27 wells)	1982 (27 wells)	1983 (21 wells)	1981 (0 wells)	1982 (2 wells)	1983 (5 wells)
Averages:									
Well depth, ft	17,114	17,354	16,974	16,903	16,854	16,191		21,404	20,554
Cost/well, $000	$5,467	$6,637	$6,095	$3,116	$3,329	$2,110		$36,750	$19,406
Cost/ft	$313	$382	$353	$184	$198	$130		$1,716	$950
Mud cost/well, $000	$527	$569	$620	$262	$337	$156		$1,940	$951
Mud cost/ft	$33	$33	$37	$16	$20	$10		$91	$46
Bits/well	35	37	32	17	19	21		107	50
Ft/bit	500	466	618	981	887	974		201	432
Tubulars/well, tons	NR	NR	644	NR	NR	270		NR	1,066
Tubular cost, well, $000	NR	NR	1,475	NR	NR	$501		NR	$3,507
Success ratio	603:1,066	599:1,205	301:577	11:27	14:27	9:21		0:2	5:5
Wildcat success ratio	247:530	182:536	89:255	2:7	1:9	2:8		–	2:2
Development success ratio	356:536	417:669	212:322	9:20	13:18	7:13		0:2	3:3
Total costs, $000:									
Mud	$561,396	$685,589	$357,854	$7,081	$9,109	$3,282		$3,879	$4,756
Drilling	$4,851,856	$6,859,255	$3,026,113	$71,381	$70,907	$36,215		$66,173	$90,010
Completion	$920,532	$1,118,354	$420,970	$12,745	$18,967	$7,333		$7,327	$7,022
Total	$5,828,219	$7,997,571	$3,516,592	$84,126	$89,874	$44,302		$73,500	$97,032
Total footage	18,243,075	20,911,440	9,794,007	456,394	455,059	340,012		42,808	102,768

*Deep drilling, in this and subsequent tables, includes all wells drilled to 15,000 ft and deeper.

A deep hole is being drilled for TXO Production Corp. in the Cheyenne field near Elk City, Okla., by Loffland Brothers Co.'s Rig 218. Record-setting low temperatures hampered drilling operations throughout the state last winter, with the windchill factor reaching −35 F at one point.

to do somewhat better than the 90% decline that had been predicted by some observers.

Offshore Totals Increase

Louisiana's 214 deep wells in 1983 included 89 offshore wells, which is the most ever drilled offshore Louisiana in any one year. So, all of the Pelican State's deep drilling decline took place on land.

Texas also set a record for deep wells offshore with a total of 23 wells drilled to an average total depth of 16,573. The previous Texas high was 16 offshore completions, drilled in both 1981 and 1982. A 104-well drop onshore, therefore, is more than responsible for the Lone Star State's 97-well decline.

Alabama, the fourth most active deep drilling state last year, also set a record for offshore deep completions during 1983, with five. So, despite the overall drop in deep drilling last year, deep completions offshore actually registered a 22% increase – from 97 in 1982 to 119 in 1983. Although Deep Well Report printouts don't specifically list nationwide offshore totals, it is safe to surmise that the 119 deep wells completed offshore in 1983 probably is a record. We've spot checked 4 or 5 years during the past decade without finding any higher totals than the 97 registered in both 1981 and 1982.

In any event, last year's 119 deep offshore wells were drilled to an average total depth of 16,789 ft at a total cost of $1.4 billion. Average cost per well came to $11.7 million. Some 39 of the wells (32.8%) were completed as producers.

On a state-by-state basis, Alabama's five offshore deep wells had the highest average total depth – 20,554 ft. They cost more than $19 million apiece, but they all are producers.

Louisiana, which dominated deep drilling offshore during 1983, completed 89 wells with an average cost just under $10 million. Texas's 23 offshore deep wells averaged a slightly shallower total depth than did Louisiana's, but they cost almost $5 million more apiece to drill. Alaska's two offshore deep wells were super

	Alaska offshore			California			Colorado		
	1981 (0 wells)	1982 (0 wells)	1983 (2 wells)	1981 (5 wells)	1982 (4 wells)	1983 (2 wells)	1981 (3 wells)	1982 (0 wells)	1983 (1 well)
Averages:									
Well depth, ft			17,105	15,992	15,725	17,452	16,812		15,170
Cost/well, $000			$51,137	$3,920	$9,160	$10,475	$7,000		$4,812
Cost/ft			$3,011	$245	$583	$590	$416		$317
Mud cost/well, $000			$976	$367	$1,011	$555	$440		$350
Mud cost/ft			$57	$23	$64	$32	$26		$23
Bits/well			52	51	53	63	38		46
Ft/bit			329	311	297	310	439		330
Tubulars/well, tons			964	NR	NR	1,173	NR		1,091
Tubular cost/well, $000			$1,834	NR	NR	$2,500	NR		$875
Success ratio			0:2	0:5	2:4	1:2	1:3		1:1
Wildcat success ratio			0:2	0:5	2:4	0:1	1:2		–
Development success ratio			–	–	–	1:1	0:1		1:1
Total costs, $000:									
Mud			$1,952	$1,835	$4,043	$1,110	$1,320		$350
Drilling			$96,123	$16,825	$27,249	$16,750	$17,800		$4,637
Completion			–	$2,775	$9,391	$4,200	$3,200		$175
Total			$102,274	$19,600	$36,641	$20,950	$21,000		$4,812
Total footage			34,210	79,960	62,898	34,903	50,435		15,170

	Florida			Louisiana land			Louisiana offshore		
	1981 (7 wells)	1982 (7 wells)	1983 (9 wells)	1981 (243 wells)	1982 (221 wells)	1983 (125 wells)	1981 (81 wells)	1982 (76 wells)	1983 (89 wells)
Averages:									
Well depth, ft	16,160	15,908	16,085	17,333	17,316	17,055	16,599	16,638	16,626
Cost/well, $000	$3,499	$3,561	$3,677	$6,011	$6,760	$4,100	$8,466	$9,393	$9,742
Cost/ft	$217	$224	$219	$347	$390	$234	$510	$565	$581
Mud cost/well, $000	$199	$185	$121	$663	$675	$422	$708	$692	$1,548
Mud cost/ft	$12	$12	$8	$38	$39	$24	$43	$42	$96
Bits/well	17	17	18	34	34	26	36	34	32
Ft/bit	943	960	1,083	516	517	706	457	497	593
Tubulars/well, tons	NR	NR	447	NR	NR	635	NR	NR	798
Tubular cost, well, $000	NR	NR	$650	NR	NR	$1,461	NR	NR	$1,643
Success ratio	5:7	4:7	4:9	103:243	85:221	50:125	38:81	31:76	28:89
Wildcat success ratio	0:2	0:2	1:6	53:151	31:122	16:68	10:34	9:35	8:48
Development success ratio	5:5	4:5	3:3	50:92	54:99	34:57	28:47	22:41	20:41
Total costs, $000:									
Mud	$1,390	$1,296	$1,091	$160,998	$149,258	$52,974	$57,313	$52,610	$137,790
Drilling	$22,142	$23,275	$28,485	$1,233,607	$1,309,458	$434,834	$607,596	$620,302	$761,629
Completion	$2,352	$1,650	$3,850	$214,272	$184,201	$69,493	$73,527	$92,910	$70,469
Total	$24,494	$24,925	$33,094	$1,460,778	$1,493,867	$512,496	$685,729	$713,885	$867,039
Total footage	113,117	111,358	144,766	4,211,878	3,826,838	2,131,892	1,344,498	1,264,464	1,479,722

expensive, but one of them, the COST well, is very important to participants in next month's proposed offshore lease sale in the Navarin Basin. A 29.5-million-acre area, Navarin Basin lies 56 to 249 miles off the southeast cape of St. Matthew Island in waters that are from 230 to 9,186 ft deep. Its northwest boundary touches the dividing line between the U.S. and Russian sectors of the Bering Sea. The Minerals Management Service says that 1.2 billion bbl of oil and 7.68 tcf of natural gas could be discovered and produced in the proposed lease area.

Well Costs Down

Among data for which the Deep Well Report is most noted are cost statistics, and the good news this year is that average well costs dropped in 1983 for the first time since 1972. At that time, the average deep well was drilled to total depth of 16,963 ft. And it cost $919,484 to drill and complete.

Last year, the average deep well measured 16,974 ft deep, and its average cost was more than $6 million. Even so, that represents a half-a-million-dollar reduction in the average compared with 1982. Cost per foot was down last year by $29.

Another positive sign noted by this year's Deep Well Report is a substantial increase in footage per bit. From 466 ft/bit in 1982, U.S. deep drillers coaxed an additional 150 ft/bit during 1983. They also reversed a 4-year increase in the number of bits used per well. Last year, it was 32, which is a 14% improvement over 1982.

An addition to Deep Well Report data this year is information about tubulars. And the report finds that, last year, the average deep well consumed an estimated 644 tons of tubulars at a cost-per-well of almost $1.5 million.

Total U.S. deep drilling expenditures last year topped $3.5 billion. That's a far cry from the almost 8 billion spent in 1982. Most of the difference, of course, can be explained by the steep drop in completions

	Mississippi			Montana			New Mexico		
	1981 (127 wells)	1982 (69 wells)	1983 (24 wells)	1981 (1 well)	1982 (0 wells)	1983 (1 well)	1981 (19 wells)	1982 (28 wells)	1983 (13 wells)
Averages:									
Well depth, ft	17,210	17,256	16,026	17,375		16,600	16,149	15,739	15,664
Cost/well, $000	$3,607	$3,525	$1,716	$6,966		$9,700	$3,565	$3,293	$2,426
Cost/ft	$210	$204	$108	$401		$584	$221	$209	$155
Mud cost/well, $000	$340	$295	$137	$335		$640	$295	$268	$188
Mud cost/ft	$20	$17	$9	$19		$39	$18	$17	$12
Bits/well	27	25	22	100		123	24	22	21
Ft/bit	628	705	770	174		135	682	715	806
Tubulars/well, tons	NR	NR	341	NR		281	NR	NR	384
Tubular cost/well, $000	NR	NR	$449	NR		$420	NR	NR	$784
Success ratio	56:127	29:69	10:24	0:1		0:1	14:19	17:28	11:13
Wildcat success ratio	14:55	7:33	1:7	0:1		0:1	10:15	12:18	4:5
Development success ratio	42:72	22:36	9:17	–		–	4:4	5:10	7:8
Total costs, $000:									
Mud	$43,154	$20,355	$3,285	$335		$640	$5,601	$7,512	$2,441
Drilling	$381,023	$202,698	$33,706	$6,966	–	$9,700	$51,440	$78,485	$22,181
Completion	$75,009	$40,531	$7,443	–		–	$15,469	$13,432	$9,004
Total	$458,100	$243,229	$41,189	$6,966		$9,700	$67,726	$92,199	$31,541
Total footage	2,185,708	1,190,678	384,635	17,375		16,600	306,829	440,685	203,638

	Oklahoma			Texas land			Texas offshore		
	1981 (279 wells)	1982 (493 wells)	1983 (144 wells)	1981 (200 wells)	1982 (194 wells)	1983 (90 wells)	1981 (16 wells)	1982 (16 wells)	1983 (23 wells)
Averages:									
Well depth, ft	16,982	17,603	17,159	17,472	17,580	17,395	16,844	16,519	16,573
Cost/well, $000	$4,718	$6,193	$4,520	$5,068	$6,073	$5,500	$13,291	$13,017	$14,503
Cost/ft	$278	$352	$261	$290	$345	$311	$789	$788	$865
Mud cost/well, $000	$404	$505	$396	$545	$555	$527	$1,112	$1,155	$923
Mud cost/ft	$24	$29	$23	$31	$32	$30	$66	$70	$56
Bits/well	31	39	33	30	34	32	53	43	44
Ft/bit	543	446	549	585	514	613	321	386	396
Tubulars/well, tons	NR	NR	553	NR	NR	719	NR	NR	1,069
Tubular cost, well, $000	NR	NR	$1,204	NR	NR	$1,786	NR	NR	$3,378
Success ratio	193:279	290:493	106:144	124:200	96:194	58:90	2:16	1:16	6:23
Wildcat success ratio	56:87	68:145	21:29	71:124	40:112	29:50	1:12	1:11	2:10
Development success ratio	137:192	222:348	85:115	53:76	56:82	29:40	1:4	0:5	4:13
Total costs, $000:									
Mud	$112,678	$249,168	$57,010	$109,064	$107,643	$47,414	$17,788	$18,476	$21,231
Drilling	$1,054,719	$2,570,424	$527,341	$818,513	$986,282	$412,264	$187,303	$198,314	$304,014
Completion	$246,490	$473,200	$118,665	$180,466	$184,352	$72,516	$24,244	$9,956	$27,751
Total	$1,316,360	$3,053,287	$650,933	$1,013,618	$1,178,075	$494,994	$212,659	$208,276	$333,573
Total footage	4,737,907	8,678,458	2,470,827	3,494,374	3,410,467	1,565,519	269,501	264,305	381,182

	Utah			Wyoming		
	1981 (10 wells)	1982 (14 wells)	1983 (7 wells)	1981 (39 wells)	1982 (43 wells)	1983 (21 wells)
Averages:						
Well depth, ft	16,899	17,079	16,999	16,957	17,127	17,580
Cost/well, $000	$6,477	$10,242	$10,297	$8,120	$10,300	$9,552
Cost/ft	$383	$600	$604	$479	$601	$526
Mud cost/well, $000	$592	$840	$1,044	$834	$921	$733
Mud cost/ft	$35	$49	$60	$49	$54	$40
Bits/well	56	87	76	66	71	64
Ft/bit	300	196	297	256	243	348
Tubulars/well, tons	NR	NR	520	NR	NR	644
Tubular cost/well, $000	NR	NR	$1,274	NR	NR	$1,822
Success ratio	3:10	3:14	3:7	28:39	22:43	9:21
Wildcat success ratio	0:5	1:11	0:4	14:22	8:24	3:14
Development success ratio	3:5	2:3	3:3	14:17	14:19	6:7
Total costs, $000:						
Mud	$5,922	$11,764	$7,311	$32,534	$39,600	$15,397
Drilling	$54,159	$130,538	$69,153	$264,978	$382,792	$179,071
Completion	$10,271	$12,846	$2,725	$47,483	$58,434	$20,324
Total	$64,768	$143,385	$72,078	$316,661	$442,913	$200,585
Total footage	168,994	239,100	118,990	661,323	736,451	369,173

Note: PETROLEUM ENGINEER INTERNATIONAL has been analyzing deep drilling annually since 1944. Base data are acquired from various industry sources, including contract drilling companies and Petroleum Information Corp., Denver, Colo. Operating companies confirm the wells and, through a special arrangement, provide us with cost data on a confidential basis. Laura Jacobus compiled the data for this report, which was written by Rich McNally.

during 1983. But, you have to give some credit, also, to the improved drilling economics that have accompanied the surplus of rigs in recent years. As indicated earlier, cost per foot decreased by 7.5% in 1983. And this was despite an 8.9% increase in mud cost.

Regionally, the most economical place in which to drill deep last year seemed to be the Mid-Gulf Coast Basin of southern Alabama and Mississippi and the Florida Panhandle. Alabama drillers completed 21 deep wells in the Basin at an average cost per well of just over $2 million. In the process, they reduced per-well cost by more than $1 million as compared with the previous year.

All of Florida's deep wells were drilled in the Panhandle during 1983, and they cost slightly more than $3.6 million apiece. Cost per foot, however, was way below the national average. At $219 per foot, it also was $5 less than the average compiled by Florida deep drillers in 1982.

Deep completions in Mississippi's portion of the Mid-Gulf Coast Basin declined by 65% last year, but the 24 wells that were completed were drilled at an average cost under $2 million. Average well depth was substantially shallower than it had been in 1982, but, even so, cost per foot was almost cut in half during 1983.

Drillers throughout the Basin were way above the national average in footage drilled per bit, and Florida led the way with more than 1,000 ft/bit.

All of New Mexico's deep wells were drilled in that state's portion of the Permian Basin, and the 13 of them cost an average of just under $2.5 million apiece. During the previous year, New Mexican deep wells had cost an average of more than $3 million. Deep well operators in New Mexico, therefore, were treated to a 26% improvement in drilling economics during 1983. In addition, they also enjoyed a success rate of 85%, with 11 of their 13 deep wells being completed as producers.

Wyoming operators had the deepest average well depth of all states, but they managed to keep their average well cost below the $10-million mark that was

Wells completed 15,000 ft and below by years of completion

Year	No. of wells	Explor-atory	Total producers	Average bits/well	Mud costs average	Well costs average	Average cost/ft	Total footage drilled	Average ft/well	New records: Deepest well	New records: Deepest producer
1938	1	1	1	–	–	–	–	15,004	–	15,004	13,175
1944	1	1	0	–	–	–	–	15,279	–	15,279	–
1945	3	3	0	222	–	–	–	47,245	15,748	16,655	–
1946	1	1	1	–	–	–	–	15,452	–	–	–
1947	8	8	1	181	$ 24,000	$ 570,000	$ 35.87	127,128	15,891	17,823	13,904
1948	7	6	2	303	28,000	551,000	34.34	112,329	16,047	–	14,255
1949	11	8	5	199	64,000	534,000	32.52	180,631	16,421	20,521	15,530
1950	5	2	3	181	63,000	557,000	36.72	78,565	15,713	–	–
1951	12	5	6	116	54,000	527,000	33.56	189,864	15,822	–	–
1952	25	17	9	138	66,000	549,000	34.77	396,850	15,874	–	16,012
1953	25	14	20	159	75,000	729,000	44.79	402,936	16,177	21,482	17,895
1954	56	30	31	117	92,000	651,000	40.87	892,021	15,929	–	–
1955	80	63	43	87	116,000	649,000	40.09	1,276,560	15,957	22,559	–
1956	155	77	78	89	122,000	683,000	42.18	2,510,050	15,988	–	20,745
1957	185	114	89	89	121,000	743,000	46.25	2,987,841	16,064	–	–
1958	197	136	100	79	107,000	692,000	43.18	3,171,762	16,019	–	–
1959	228	142	119	71	83,000	650,000	40.48	3,660,857	16,056	25,340	–
1960	242	134	136	66	86,000	675,000	42.50	3,858,622	15,945	–	–
1961	243	84	153	63	81,000	614,000	38.07	3,918,324	16,124	–	–
1962	254	74	130	63	92,000	654,000	38.00	4,414,300	17,000	–	–
1963	271	96	128	52	97,246	696,000	42.85	4,401,363	16,241	–	21,410
1964	308	141	150	51	95,507	653,256	39.33	5,115,938	16,610	–	21,793
1965	330	117	156	59	90,160	610,784	36.50	5,522,541	16,735	–	22,098
1966	388	130	149	71	84,007	727,996	42.20	6,693,785	17,252	–	22,483
1967	402	142	192	67	96,375	762,676	45.29	6,769,371	16,839	–	–
1968	406	150	194	65	100,305	889,991	52.13	6,931,232	17,072	–	22,790
1969	389	116	206	54	101,529	866,349	50.91	6,619,216	17,016	–	–
1970	381	168	189	54	117,874	999,343	57.87	6,579,870	17,270	25,600	–
1971	417	149	210	60	146,049	949,959	54.81	7,227,444	17,332	–	–
1972	506	230	290	44	103,507	919,484	54.21	8,583,278	16,963	30,050	22,548
1973	506	213	272	38	122,067	1,107,059	63.58	8,810,918	17,413	–	–
1974	446	220	258	37	168,426	1,456,522	84.08	7,726,058	17,323	31,441*	–
1975	410	191	190	37	197,279	1,901,017	109.80	7,098,330	17,313	–	–
1976	439	186	255	33	214,276	2,112,509	121.98	7,603,041	17,319	–	–
1977	476	233	233	30	221,490	2,205,954	127.58	8,230,040	17,290	–	26,566**
1978	604	306	288	29	253,082	2,577,216	150.60	10,352,560	17,140	–	–
1979	621	248	279	30	414,000	3,599,000	208.68	10,709,644	17,246	–	–
1980	859	433	462	32	478,906	4,560,090	265.47	14,755,480	17,178	–	–
1981	1,066	530	598	35	526,638	5,467,372	313.01	18,243,075	17,114	–	–
1982	1,205	536	600	37	568,954	6,636,988	382.45	20,911,440	17,354	–	–
1983	**577**	**255**	**301**	**32**	**$620,000**	**$6,095,000**	**$353.40**	**9,794,007**	**16,974**	–	–

*This is the all-time record depth hole, completed in Oklahoma's Anadarko Basin in May 1974 by Lone Star Producing Co.

**Chevron USA established the record depth production mark in 1977 with completion of No. 1 Ledbetter in Wheeler County, Texas. Gage was 2,500,000 cfd from the Arbuckle at 23,427-26,518 ft.

The following 156 contractors (reported by the operating companies) drilled the wells analyzed in PEI's 1983 deep well survey.

A & P Marine
Abbott Brothers
Anadarko Production
Anderson-Myers Drilling Co.
Apollo Drilling & Exploration
Apollo Drilling Ltd.
Arden Drilling Co.
Atco Drilling Inc.
Atlantic Pacific Marine Corp.
Baker & Taylor Drilling Co.
Bay Drilling Corp.
Blocker Energy Corp.
Bokenkamp Drilling Co. Ltd.
Bomac Drilling
Bracken Exploration
Brinkerhoff-Signal Inc.
BS&B Drilling
Butler-Johnson Inc.
Buzzini Drilling Co. Inc.
Cactus Drilling Corp.
Cardinal Drilling Co.
Challenger Drilling Inc.
Champion Drilling Corp.
Chase Drilling Co.
Chiles Drilling Co.
Cliffs Drilling Co.
Core Drilling Co.
Continental Drilling Co. Inc.
Continental Oil Co.
Cothrum Drilling Co.
Cromling Drilling Co.
Culver Drilling Co.
Ronny Darby
Decca Drilling Co.
Delex Drilling Co. Inc.
Delta Drilling Co.
Diamond M Co.
Dixilyn-Field Drilling Co.
Dolphin Titan International Inc.
Dorchester Drilling Inc.
Dual Drilling Co.
Durkee Drilling Inc.
Eason Oil Co.
Eljay Drilling Corp.
Eltex Drilling Contractors Inc.
Enopco
Exeter Drilling Co.
Explorer Drilling Co.
Flagg Drilling Co.
Flournoy Drilling Co.
Fluor Drilling Services Inc.
Forex-Neptune Inc.
Four Flags Drilling Co. Inc.
FWA Drilling Co. Inc.
Glasscock Drilling
Glendel Drilling Co.
Global Marine Inc.
Goldrus Drilling Co.
Grace Drilling Co.
Grey Wolf Drilling Co.
Griffin-Alexander Drilling Co.
Harkins & Co.
Harper-Turner Drilling
Helmerich & Payne International Drilling Co.
Henley Drilling Co.
Highbridge Drilling Co.
Houston Offshore International Inc.
Howell Drilling Inc.
Huthnance Drilling Co.
I.E.C. Drilling Co.
Imperial Drilling Co.
Intrepid Drilling Corp.
Iredco Drilling Co.
J.F.P. Well Service Inc.
JHJ Drilling Co.
Justiss Oil Co. Inc.
Keyes Offshore Inc.
Lanex Inc.
Larco Drilling Co. Inc.
Latshaw Drilling Co.
Loffland Brothers Co.
Lord Drilling Co. Inc.
R. L. Manning Co.
Mardrill Inc.
Marion Drlg. & Services Co.
Marlin Drilling Co. Inc.
Maverick Drilling Co. Inc.
Mercury Drilling Co.
Merit Drilling Co.
Mesa Drillers
MGF Drilling Co.
Miller Drilling
Montgomery Drilling Co.
Moran Brothers
E. W. Moran Drilling Co. Inc.
Murco Drilling Corp.
N & C Drilling
Navajo Drilling Co.
New & Hughes Drilling Co. Inc.
Nicklos Drilling Co.
Nicor Drilling Co.
Noble Drilling Corp.
Nordrill International Inc.
Nova Drilling Co.
Ocean Drilling & Exploration Co.
O'Connor & Young Drilling Co.
Padre Drilling Co. Inc.
Parker Drilling Co.
Parker Well Service Inc.
Pearson American Drilling Co.
Penrod Drilling Co.
Phoenix Seadrill
Pilgrim Drilling Co.
Power Rig Drilling Co. Inc.
PRC Drilling Co. Inc.
Chesley Pruet Drilling Co.
Quarles Drilling Corp.
Rapad Drilling Co.
Ratliff Drilling Co.
Rebstock Drilling Co.
Resource Drilling Inc.
Richards Drilling Co.
Rio Grande Drilling Co.
Robinson Brothers Drilling Co.
Rowan Drilling U.S.
Salen Offshore Drilling Co.
Sandia Drilling Co.
Santa Fe Drilling Co.
Schlensker Drilling Corp.
Sedco Inc.
Sharp Drilling Co. Inc.
A. J. Smart Drilling Co.
Smith & Stovall Drilling Corp.
Son Tom Drilling
Sonat Offshore Drilling Inc.
South Texas Drilling & Exploration Inc.
Southwestern Drilling Co.
Stamper Drilling
Teledyne Movible Offshore Inc.
Temple Drilling Co.
Tesoro Drilling Co.
Transcontinental Drilling Co.
Transworld Drilling Co.
Tri-Land Drilling
Tri-Service Drilling Co.
True Drilling Co.
Two R Drilling Co. Inc.
Unit Drilling & Exploration Co.
United Drilling Co.
Vierson & Cochran Drilling Co.
Westburne Drilling Inc.
Western Drilling Co.
Western Oceanic Inc.
Richard Whalen
Wilson Brothers Drilling Co.
Zapata Off-Shore Co.

reached by Utah and California. (Alaska also topped the $10-million mark, but costs there were influenced by an offshore stratigraphic test in the Bering Sea's Navarin Basin. Although the well was successful, its logistics reportedly made it one of the most difficult offshore wells ever drilled. And, also, one of the most expensive.) There are five deep drilling provinces in Wyoming, and last year's 21 deep wells were drilled in three of them – the Powder River, Green River, and Wind River Basins. The state's average well-depth record can be traced to wells in the Wind River Basin that were aimed at ultradeep deposits of natural gas. Ultradeep wells, those drilled to 20,000 ft and deeper, are the subject of a separate report in this issue of PETROLEUM ENGINEER INTERNATIONAL.

Utah was one of the few states in which deep drilling was more costly last year than it had been in 1982. But, not by much. The state's 7 deep wells cost an average of almost $10.3 million – about $50,000 higher than the 1982 average. Cost per foot, however, rose by only $4 in 1983 after having risen by more than $200 during the previous year. Wildcatting in Utah continues to be a risky business for deep drillers. All four deep exploratory wells drilled there in 1983 were dry. And only two of the 32 deep Utah wildcats drilled during the past 5 years have been successful. The success rate of deep development wells in Utah, on the other hand, is very good, averaging 71% since 1980.

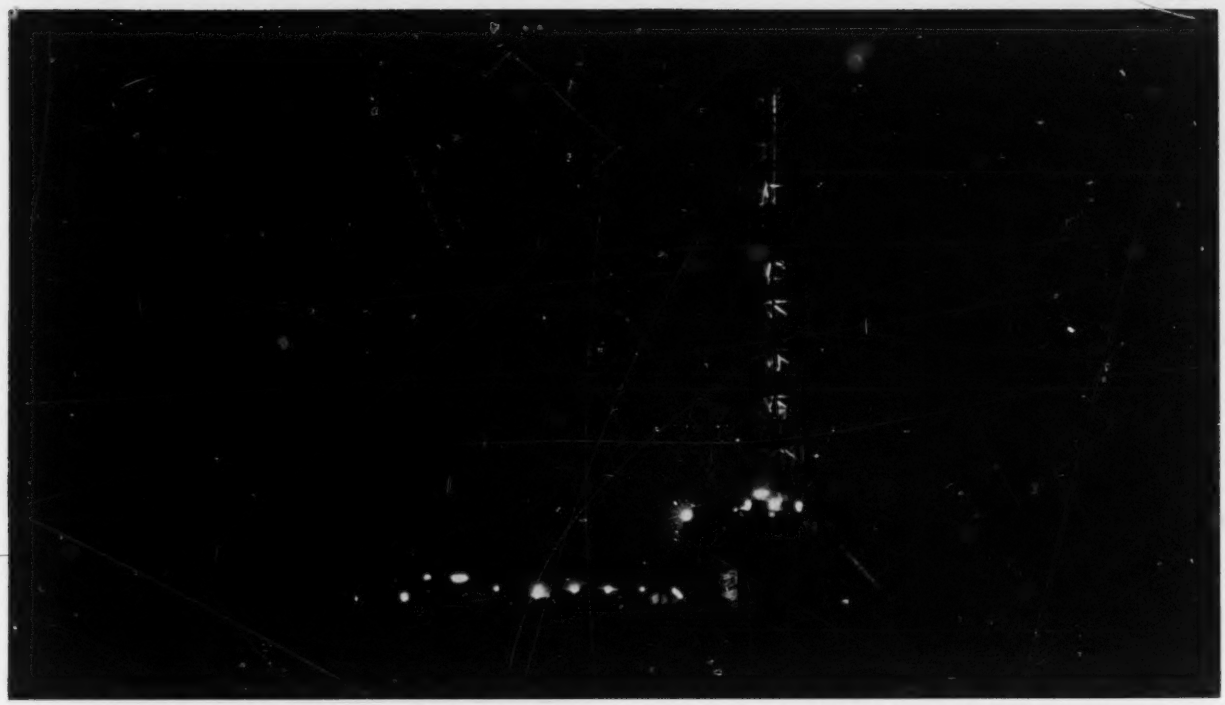
California had only two deep wells in 1983, but one of them was successful. It is noteworthy because it was a development well, and is the first deep development well to have been drilled in California since 1976 and only the second to have been drilled there since 1972.

Colorado had only one deep well in 1983, but that was an improvement over 1982, when there were none. It also was successful. Montana, which doesn't appear on the deep well charts very often, drilled one such well in 1983. A wildcat drilled in Park County, north of Yellowstone National Park, it was dry.

Deepest well of the year honors go to Texas, where Exxon Corp.'s No. 1 Pryor Estate wildcat reached a total depth of 26,805 ft. It, too, was a dry hole.

Of the 577 deep wells drilled in the U.S. last year, 301 of them found commercial quantities of oil or gas – mostly gas – for a 52% rate of success. That is slightly better than 1982's 49.7%, but it is down from 1981's 56.5%. Among the 255 deep wildcats completed in 1983, 89 of them are listed as successful (34%). More than 65% of the 322 development wells were successful also.

Last year's 577 deep wells were drilled by 156 drilling contractors for 172 operators. A list of the contractors accompanies this article, and the names of the operators can be found on the Deep Well Map foldout featured in this issue. ■



A Texas sunset silhouettes Loffland Brothers Co.'s Rig 118 as it drills near Ozona, Tex. The big rig now is drilling for Conoco Inc. in Leon County, Texas.

Ultradeep Drilling Falls To 16-Year Low

You have to go all the way back to 1967 to find a year that didn't have more ultradeep wells than were drilled in 1983, when the total number of wells drilled to 20,000 ft or deeper in the U.S. was 37. That's only three more than were drilled in 1967, and it's 95 fewer than were completed during deep drilling's halcyon year of 1982.

Average total depth of 1983's superdeep wells was 21,674 ft, and their average cost was $9.9 million. Total ultradeep drilling expenditures last year amounted to slightly more that $368 million for almost 802 million feet of hole. That translates into approximately $461 per foot, which is some $59 less than cost per foot during 1982 but is just about flat with costs registered during 1981.

Success rate for 1983's 37 ultradeep wells was 62%, with 7 out of 16 wildcats and 16 of 21 development wells finding oil or gas. That represents an improvement over 1982's superdeep activity, but, once again, is about even with 1981.

Texas was the leading ultradeep state during 1983, with 15 20,000-ft wells. Tallest among them is Exxon Corp.'s No. 1 Pryor Estate in Pecos County. With a total depth of 26,805 ft, it is the deepest well of the year. Officially listed as a dry hole, the well has produced some oil from the Wolfkamp formation at about 10,000 ft. But, the economics appear to be against its eventual completion as a producer.

U.S. ultradeep drilling*

	1981 (81 wells)	1982 (132 wells)	1983 (37 wells)
Averages:			
Well depth, ft	21,546	21,617	21,674
Cost/well, $000	$9,957	$11,242	$9,967
Cost/ft	$462	$520	$461
Mud cost/well, $000	$1,041	$1,068	$820
Mud cost/ft	$48	$49	$38
Bits/well	47	60	49
Ft/bit	473	558	552
Tubulars/well, tons	NR	NR	964
Tubular cost/well, $000	NR	NR	$2,376
Success ratio	49:81	55:132	23:37
Wildcat success ratio	31:57	24:82	7:16
Development success ratio	18:24	31:50	16:21
Total costs, $000:			
Mud	$84,284	$140,939	$30,354
Drilling	$674,994	$1,316,263	$333,044
Completion	$129,065	$166,926	$27,111
Total	$806,537	$1,483,931	$368,764
Total footage	1,745,190	2,853,430	801,936

*Ultradeep drilling, in this and subsequent tables, includes all wells drilled to 20,000 ft and deeper.

	Alabama offshore			Louisiana land			Louisiana offshore		
	1981 (0 wells)	1982 (2 wells)	1983 (4 wells)	1981 (27 wells)	1982 (20 wells)	1983 (4 wells)	1981 (4 wells)	1982 (0 wells)	1983 (2 wells)
Averages:									
Well depth, ft		21,404	21,131	21,107	20,844	20,689	20,696		20,316
Cost/well, $000		$36,750	$19,008	$10,867	$12,389	$6,701	$11,082		$10,204
Cost/ft		$1,716	$899	$515	$594	$324	$535		$502
Mud cost/well, $000		$1,940	$964	$1,181	$1,390	$709	$850		$601
Mud cost/ft		$91	$46	$56	$67	$34	$41		$30
Bits/well		107	52	50	53	27	41		32
Ft/bit		201	432	424	390	814	511		646
Tubulars/well, tons		NR	1,066	NR	NR	NR	NR		705
Tubular cost, well, $000		NR	$3,507	NR	NR	NR	NR		$1,477
Success ratio		2:2	4:4	15:27	6:20	3:4	0:4		0:2
Wildcat success ratio		–	2:2	9:20	1:13	–	0:4		0:2
Development success ratio		2:2	2:2	6:7	5:7	3:4	–		–
Total costs, $000:									
Mud		$3,879	$3,856	$31,889	$27,804	$2,835	$3,398		$1,202
Drilling		$66,173	$73,010	$241,265	$229,169	$21,589	$43,095		$20,408
Completion		$7,327	$3,022	$50,707	$18,607	$5,214	$223		–
Total		$73,500	$76,032	$293,398	$247,777	$26,803	$44,327		$20,408
Total footage		42,808	84,523	569,893	416,876	82,754	82,782		40,632

	Oklahoma			Texas			Wyoming		
	1981 (14 wells)	1982 (67 wells)	1983 (8 wells)	1981 (25 wells)	1982 (31 wells)	1983 (15 wells)	1981 (1 well)	1982 (3 wells)	1983 (4 wells)
Averages:									
Well depth, ft	21,620	21,601	21,909	21,879	22,149	22,140	20,170	21,717	21,665
Cost/well, $000	$9,988	$10,233	$5,547	$7,834	$9,890	$8,943	$10,344	$20,833	$16,750
Cost/ft	$462	$474	$252	$358	$447	$405	$513	$959	$764
Mud cost/well, $000	$910	$958	$659	$884	$909	$775	$1,055	$1,634	$1,390
Mud cost/ft	$42	$44	$30	$40	$41	$35	$52	$75	$64
Bits/well	64	63	38	37	52	49	75	118	100
Ft/bit	337	343	586	581	429	566	269	184	243
Tubulars/well, tons	NR	NR	738	NR	NR	964	NR	NR	$1,291
Tubular cost/well, $000	NR	NR	$1,086	NR	NR	$1,953	NR	NR	5,600
Success ratio	7:14	29:67	6:8	18:25	11:31	10:15	1:1	1:3	0:4
Wildcat success ratio	6:9	13:34	1:2	10:16	8:25	4:7	1:1	1:3	0:3
Development success ratio	1:5	16:33	5:6	8:9	3:6	6:8	–	–	0:1
Total costs, $000:									
Mud	$12,742	$64,171	$5,270	$22,101	$28,167	$11,630	$1,055	$4,902	$5,561
Drilling	$122,638	$589,933	$36,009	$163,832	$274,053	$115,028	$5,820	$53,800	$67,000
Completion	$17,144	$95,666	$8,365	$32,018	$31,812	$10,510	$4,524	$8,700	–
Total	$139,825	$685,603	$44,374	$195,850	$306,602	$134,147	$10,344	$62,500	$67,000
Total footage	302,681	1,447,287	175,270	546,972	686,618	332,099	20,170	65,151	86,658

Pecos County, of course, is in the Permian Basin, and that's where 10 of Texas's ultradeep wells were drilled. The others were spread out among East Texas (2), the Texas portion of the Anadarko Basin (2), and the Gulf Coast Basin in South Texas (1). Two-thirds of the 15 wells are listed as producers.

Oklahoma is second among last year's five ultradeep drilling states, with eight wells that were drilled to an average total depth of 21,909. That is the deepest average depth of any other ultradeep drilling state, but, paradoxically, the cost of the average ultradeep well in Oklahoma was lower than in any other state. At $5.5 million, average per-well cost in the Sooner State bettered Louisiana's average by more than $2 million. And it was more than $3 million lower than the Texas average.

Wyoming's four ultradeep wells were drilled in the Wind River Basin, where Cretaceous and Jurassic zones at depths of around 20,000 ft are the deepest producing formations found to date in the Rocky Mountains. It's expensive going, however, with the average Wyoming ultradeep well costing close to $18 million.

Louisiana and Alabama were the only states to drill ultradeep wells offshore during 1983. Two of the Pelican State's six super wells were drilled offshore, as were all of Alabama's. Although Louisiana was able to drill its two offshore wells (both dry holes) for $11 million apiece, the average expenditure offshore Alabama was more than $19 million. All four of the ultradeep Alabama wells are producers, however. One reason for the high costs off Alabama is that three of the wells were drilled in Mobile Bay, which is a "no-discharge-of-pollutants" area. That makes drilling very expensive.

The average total depth of all six of last year's offshore ultradeep wells came to 20,859 ft. They cost a total of $96 million, which comes out to a little bit more than $16 million apiece. Four of the six wells were completed as producers. And four of them were wildcats – two in Alabama and two in Louisiana.

— Rich McNally and Laura Jacobus

1983 U.S. deep drilling 577 deep wells

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DEEP WELL OPERATORS

There were 172 deep well operators in 1983.

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American Trading & Production Corp.
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Amoco-Western Co.
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Berexco
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CNG Production Co.
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Cockrell Oil Corp.
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Core Petroleum Ltd.
Cotton Petroleum Corp.
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Crystal Oil Co.
Dallas Exploration Inc.
Davis Oil Co.
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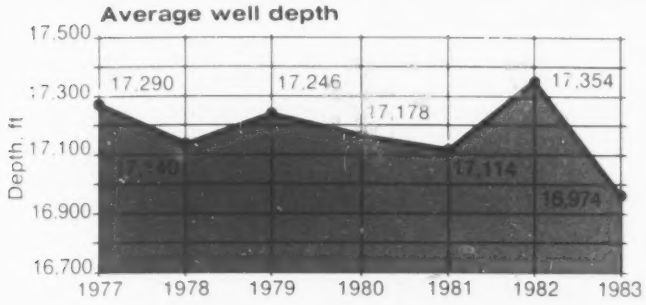
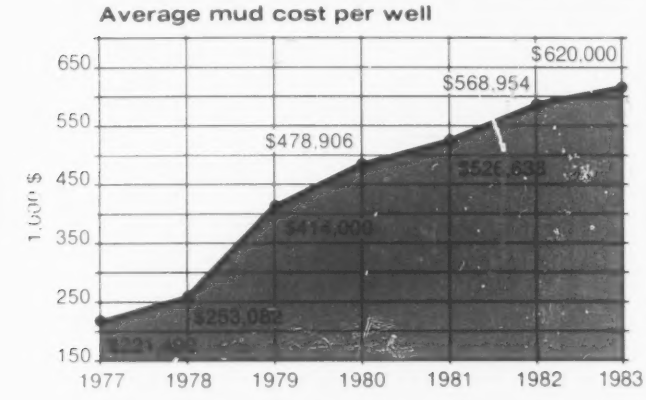
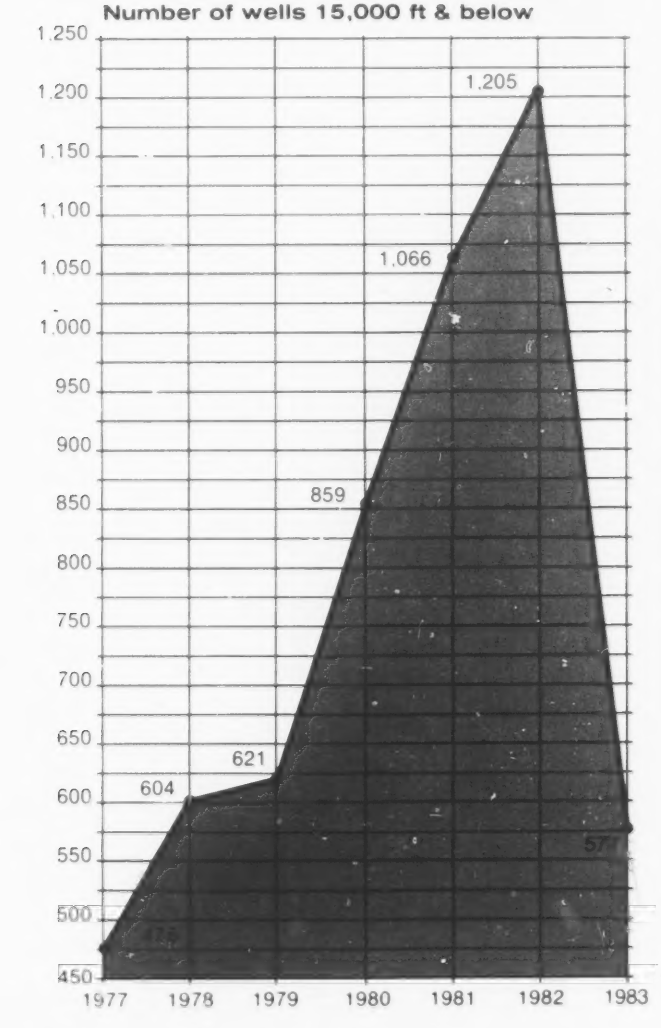
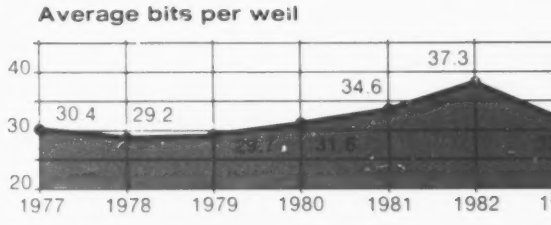
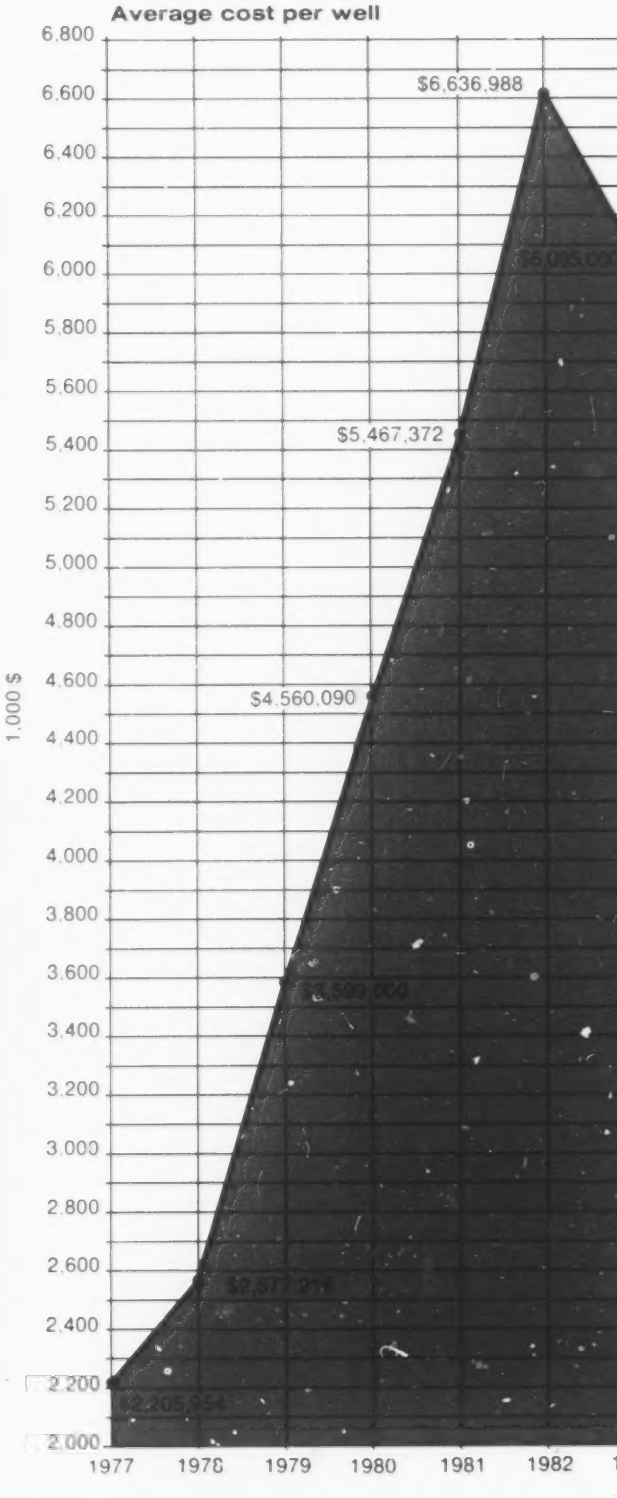
Based on PETROLEUM ENGINEER INTERNATIONAL'S Annual Deep Well Surv











Expenditures Increase In 1982 Despite Decline In Completions

The amount of money spent to complete the average well in the U.S. in 1982 topped half a million dollars while average cost per foot topped $100. Both averages are all-time highs, and they reflect the steady increase that has occurred in drilling costs ever since the Arab oil embargo of 1973. At that time, average well cost was below $120,000 and average cost per foot was $22.50.

In 1982, the total cost of drilling and equipping oil and gas wells and dry holes in the U.S. amounted to approximately $39.4 billion, an increase of 7.5% over 1981's total $36.6 billion. And this is despite the fact that the number of wells drilled in 1982 decreased 5.2% and the total footage drilled decreased 6.7%, according to the Joint Association Survey On Drilling Costs. The survey is sponsored by the American Petroleum Institute, the Independent Petroleum Association of America, and the Mid-Continent Oil and Gas Association.

The survey finds that the average depth of oil wells completed in 1982 was 4,024 ft, a decrease of 3.8%. Average cost per foot for oil wells in 1982 was $86.34, an increase of 7.4% over the previous year.

Average depth of gas wells completed in 1982 was 5,912 ft, which also was an increase over the previous year – by 3.4%. The average cost per foot for 1982 gas wells was $146.20, a 19.7% increase over 1981.

Dry holes during 1982 were drilled to an average total depth of 4,951 ft, a decrease of 3.9%. Average cost per foot, however, was $104.09, an increase of 15.6% over 1981.

Offshore, the total cost of wells completed in 1982 amounted to approximately $6.1 billion, an increase of 10.9% over 1981. The total number of offshore wells decreased 0.8% in 1982, while their average depth increased 1.6%. Average cost per foot in 1982 was $423.32, an increase of 10%.

Texas Out Front

On a state-by-state basis, Texas was way out front, with more than $12 billion expended in the drilling of 24,274 wells and 125 million feet of hole. That puts the average well cost at $494,907, just under the national average of $514,378. Average depth of Texas wells (5,153 ft), on the other hand, topped the national average by 8.9%.

Oklahoma and Louisiana finished in a virtual tie for second place in total drilling expenditures – $7.558 billion for Oklahoma and $7.550 billion for Louisiana. But Oklahoma's billions bought nearly twice as many wells. Sooner-State drillers completed 10,312 wells during 1982 at an average cost of $732,995 apiece. Their average depth was 5,492 ft.

Louisiana, meanwhile, drilled 5,342 wells – 900 of them offshore. Average depth of Louisiana wells in 1982 was 6,644 ft. And their average cost was $1,413,348. Average cost of Louisiana's offshore wells was $4,084,572. Their average depth was 10,573 ft.

In all, there were 1,464 wells drilled

Estimated costs for drilling and equipping wells in the U.S., by depth intervals (1982)

		Total number of wells Average depth and cost per well			
	Depth intervals, ft	Oil wells	Gas wells	Dry holes	Total
Wells		6,537	654	2,774	9,965
Avg depths	0-1,249	820	879	741	802
Avg costs $		34,739	41,995	22,031	31,677
Wells		6,642	2,333	3,959	12,934
Avg depths	1,250-2,499	1,791	1,941	1,839	1,833
Avg costs $		82,819	81,435	49,586	72,397
Wells		7,427	2,742	4,417	14,586
Avg depths	2,500-3,749	3,148	3,239	3,176	3,174
Avg costs $		154,821	153,315	90,958	135,199
Wells		5,028	3,427	3,829	12,284
Avg depths	3,750-4,999	4,393	4,277	4,350	4,347
Avg costs $		241,973	214,543	142,556	203,332
Wells		4,856	3,310	3,921	12,087
Avg depths	5,000-7,499	6,119	6,021	6,100	6,086
Avg costs $		455,192	428,658	308,151	400,226
Wells		3,696	1,854	2,215	7,765
Avg depths	7,500-9,999	8,657	8,675	8,649	8,659
Avg costs $		853,801	1,045,439	775,803	877,308
Wells		1,198	1,299	1,326	3,823
Avg depths	10,000-12,499	10,982	11,053	11,109	11,050
Avg costs $		1,816,678	1,933,754	1,592,655	1,778,757
Wells		396	799	734	1,929
Avg depths	12,500-14,999	13,368	13,527	13,581	13,515
Avg costs $		3,185,099	3,518,731	2,974,629	3,243,205
Wells		68	393	349	810
Avg depths	15,000-17,499	16,045	16,155	16,082	16,114
Avg costs $		5,328,091	5,725,045	5,121,843	5 431,822
Wells		12	184	143	339
Avg depths	17,500-19,999	18,306	18,486	18,470	18,473
Avg costs $		8,745,778	9,308,595	7,564,101	8,552,795
Wells		5	57	68	130
Avg depths	20,000 & over	20,753	21,588	21,540	21,531
Avg costs $		8,783,022	12,655,221	13,760,956	13,084,675
Wells		35,869	17,052	23,735	76,652
Avg depths	Totals	4,024	5,912	4,951	4,731
Avg costs $		347,374	864,278	515,352	514,378

Expenditures for drilling and equipping wells in the U.S. during 1981 and 1982

	Oil wells		Gas wells		Dry holes		Total wells	
	1981	1982	1981	1982	1981	1982	1981	1982
Wells drilled	38,725	35,865	17,533	17,052	24,558	23,735	80,816	76,652
Footage drilled (000)	161,982	144,305	100,258	100,804	126,561	117,510	388,800	362,618
Total expenditures, millions*	$13,023	$12,459	$12,248	$14,738	$11,395	$12,232	$36,665	$39,428
Average depth, ft	4,183	4,024	5,718	5,912	5,154	4,951	4,811	4,731
Average cost per well*	$336,289	$347,374	$698,576	$864,278	$463,984	$515,352	$453,691	$514,378
Average cost per foot*	$80.40	$86.34	$122.17	$146.20	$90.03	$104.09	$94.30	$108.73

*Includes all money paid for drilling and equipping wells through the Christmas tree.

offshore the U.S. in 1982 at a total cost of more than $6 billion. This means that 15% of the year's drilling expenditures took place offshore, and they accounted for less than 2% of the year's total completions.

The figures are similar for deep drilling. The Joint Association Survey counted 1,279 deep wells in 1982 (15,000 ft and deeper), and they cost approximately $9 billion to drill and complete. Another 2% of the year's wells, therefore, accounted for more than 22% of the total expenditures.

Subtracting deep wells and offshore wells from the year's totals knocks a sizeable 36% off total drilling costs, bringing them to an average of $328,444 per well. The states coming closest to that average during 1982 were Arkansas, Colorado, and Michigan. Arkansas drillers completed 811 wells at an average cost of $336,096. In Colorado, 1,769 wells were completed for $677.5 million, which averages out at $382,971 per well. Michigan's 851 wells cost an average of $331,984 apiece.

U.S. Reserves Continue To Drop

U.S. oil reserves continued the declining trend of the 1970s into the early 1980s, according to the Oil and Gas Reserve Disclosures study released recently by Arthur Andersen & Co., a Houston, Tex.-based accounting and consulting firm. They say that U.S. oil reserves fell 4.7% and U.S. gas reserves dropped 1.6% for the 300 companies surveyed during the 1980-1982 period.

This occurred despite huge exploration and development expenditures. At the same time, U.S. oil production remained flat, and gas production declined 8.3% for the surveyed group.

The Andersen survey is a comprehensive study of proved oil and gas reserves and related costs for 300 companies during 1980-1982. Major economic changes have occurred, mainly in prices, during the past 4 years. Higher prices caused enormous oil and gas exploration efforts. But the companies could not find new reserves as fast as they depleted the old.

This survey is said to constitute the bulk of privately owned domestic reserves.

More than 80% of the companies reported that their reserves were estimated by independent engineers. In the most recent survey, 56% of the companies reported downward revisions of prior reserves estimates. Of these, two-thirds were decreases of more than 10%.

Expenditures and Results

As a group, the 300 firms involved in the study reinvested $166 billion, or 67% of their pretax net revenues, during the 3-year period to find new reserves. About three-fourths of the total was invested in the U.S. Approximately a fifth of the total was spent to obtain unproven acreage, and a third was spent for seismic and other exploration and for drilling wildcats. The balance, almost half of the total, was spent on

Total proved reserves of the surveyed companies, in combined equivalent bbl (millions). (Natural gas is converted at a rate of 6 Mcf/bbl.)

	Domestic				Worldwide			
	3-year total	1982	1981	1980	3-year total	1982	1981	1980
Beginning of period	47,292	45,700	46,336	47,292	71,016	71,081	70,987	71,016
Revisions	1,320	444	521	355	2,318	928	639	751
Additions*	8,509	2,650	3,021	2,838	12,941	3,807	4,289	4,846
Production	(12,874)	(4,144)	(4,327)	(4,403)	(17,868)	(5,825)	(5,949)	(6,095)
Purchases of reserves in-place	1,540	906	196	438	2,908	990	1,245	673
Sales of reserves in-place	(477)	(246)	(47)	(184)	(982)	(648)	(129)	(205)
End of period	45,309	45,309	45,700	46,336	70,334	70,334	71,081	70,987

*Additions include extensions and discoveries plus improved recoveries.

Changes, as percentages of the 1980 beginning-of-year balance

	Domestic				Worldwide			
	3-year total	1982	1981	1980	3-year total	1982	1981	1980
Beginning of period	100.0%	96.7%	98.0%	100.0%	100.0%	100.1%	99.9%	100.0%
Revisions	2.8	0.9	1.1	0.8	3.3	1.3	0.9	1.1
Additions	18.0	5.6	6.4	6.0	18.2	5.4	6.0	6.8
Production	(27.2)	(8.8)	(9.1)	(9.3)	(25.2)	(8.2)	(8.4)	(8.6)
Purchases of reserves in-place	3.2	1.9	0.4	0.9	4.1	1.4	1.8	0.9
Sales of reserves in-place	(1.0)	(0.5)	(0.1)	(0.4)	(1.4)	(1.0)	(0.1)	(0.3)
Balance, end of period	95.8%	95.8%	96.7%	98.0%	99.0%	99.0%	100.1%	99.9%

30 pipeline-utility, and 77 diversified firms. The majors had 77% of the production and made 65% of the reserves additions over the 3-year study period.

Of the firms surveyed, 252 said whether their reserves estimates were made internally or externally. By a 4-to-1 margin, external engineers were used most often. This is mainly because of a need for unbiased data to justify borrowings, although some small firms do not have qualified staffers to prepare the data without outside consultants.

Copies of the full report can be obtained (subject to availability) from Arthur Andersen & Co. at 711 Louisiana St., Suite 1300, Houston, Tex. 77002.

Wilshire Confirms Texas Discovery

Wilshire Oil Co. of Texas has successfully completed the Sell No. 1 well in Lipscomb County, Texas. The second well drilled on the company's Stateline prospect, it tested more than 1,500 b/d of oil and 750 Mcfd of gas through a 32/64-in. choke from the Upper Morrow formation at 8,137 ft.

Correction

In "TI-59 Helps Predict IPRs For Gravel-Packed Gas Wells" by Willard C. Capdevielle (PEI, December 1983, pp. 56-70), there was an error in Fig. 3, the program listing. Step 364 of the listing was shown as "55 – ". It should have read, "55 ÷ ". The editors apologize for any inconvenience this may have caused our readers.

Letters

TO THE EDITOR:

We noted with interest the article in the November 15th issue of PETROLEUM ENGINEER INTERNATIONAL (p. 33) on turnkey drilling offshore.

It would appear that the performance of the D/S Tainaron, which we represent in the U.S., has not come to your attention. Between July 1978 and June 1983, the Tainaron drilled 30 turnkey wells in the Campos Basin of Brazil for Petrobras. Nine were template wells and 21 were exploratory.

During the same period, an affiliated company drilled six additional wells from the Garoupa platform, also on a turnkey basis. These figures more than double the number you cite.

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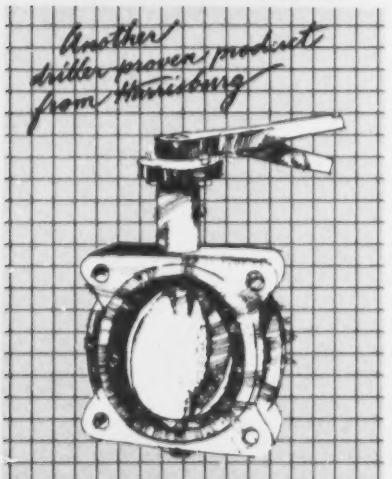

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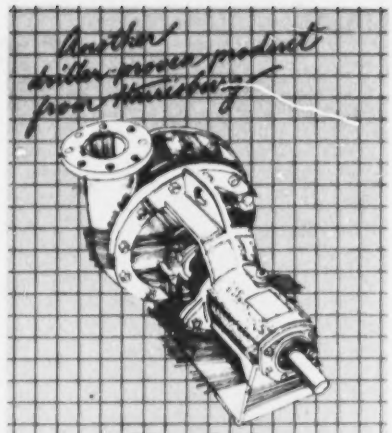

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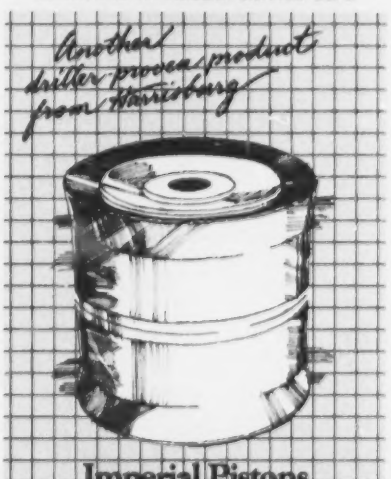

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Substantial Drop in Net Income Reported

Fourth quarter earnings for the oil companies responding to Energy Management Report's exclusive survey declined substantially from the same period in 1982.

Net income of $1.0 billion was reported for the quarter compared to $3.16 billion a year earlier, representing a 68% drop. For the year, earnings fell to $12.0 billion from $20.2 billion in 1982, a 41% decline. Profit margin fell from 3.5% to 1.7%

Gas companies fared much better during the fourth quarter. Net income dropped slightly from $439.7 million in 1982 to $439 million in 1983. Earnings fell 13% for the year, however, from $2.1 billion in 1982 to $1.8 billion in 1983. Profit margin for the group fell from 4.8% to 4.2%

Exxon's 10% increase in net income resulted from higher oil production in the North Sea.

Lower operating and administrative costs and improved productivity helped Gulf Oil earn 31% more during the fourth Quarter.

A dry hole at Mukluk off the northern coast of Alaska caused some problems for several companies.

As a result, Texaco posted a 16% decline; Standard Oil of Ohio's earnings dropped 30%; and Diamond Shamrock reported a fourth quarter loss of $130 million.

Mobil Oil's earnings also suffered from the Mukluk dry hole, but their non-petroleum operations improved, so earnings increased 12%.

Recent weakening of petroleum prices combined with higher U.S. exploration expenses resulted in a 5% drop in net income for Standard Oil of California.

Standard Oil of Indiana posted 11% higher earnings. The increase was due primarily to greater foreign liquids production, improved refined product margins, and higher earnings from chemical operations.

Lower exploration costs contributed to Getty Oil's 39% increase in net income.

Improvement in Shell Oil's chemical business, increased crude oil production, higher natural gas prices, and improved refined product margins all had a positive effect on net income. Earnings rose 25%.

Sun Company's earnings were adversely affected by a drop in U.S. exploration and production profit. Net income fell 60%.

Lower crude oil prices and increased oil and gas operating and depreciation charges were responsible for Atlantic Richfield's 3% drop in earnings.

Ashland Oil's net income dropped

OIL COMPANIES' FOURTH QUARTER FINANCIAL RESULTS

	Three months ending Dec. 31						Twelve months ending Dec. 31							
	Revenues ($000)			Earnings ($000)			Revenues ($000)			Earnings ($000)			Profit Margin	
Company	1983	1982	%CHG	1983	1982	%CHG	1983	1982	%CHG	1983	1982	%CHG	1983	1982
Amerada Hess	2,321,305	2,116,414	9.68	57,006	43,613	30.71	8,422,076	8,394,085	0.33	205,347	168,682	21.75	2.44	2.01
American Petrofina	504,983	530,351	-4.78	23,362	14,835	57.48	2,088,526	2,253,678	-7.33	55,260	54,401	1.58	2.65	2.41
Anglo Energy[1]	37,683	51,666	-27.06	-19,726	-7,816	152.38	150,340	205,229	-26.74	-82,182	444	-18,609.46	-54.66	0.22
Ashland Oil	2,983,626	2,979,810	0.18	27,186	29,110	-6.61	9,111,985	8,780,339	-7.61	100,909	162,425	-37.87	1.24	1.85
Callon Petroleum[2]	8,611	5,896	46.08	1,169	-150	-879.33	27,580	20,747	32.93	1,515	349	334.10	5.49	1.68
Diamond Shamrock	1,177,767	755,339	55.93	-130,031	46,196	-381.48	4,026,107	3,177,379	26.71	-56,163	185,091	-130.34	-1.39	5.83
Dorchester Gas[2]	221,542	409,517	-45.90	2,174	5,611	-61.27	1,181,860	1,340,319	-11.82	14,213	17,975	-20.93	1.20	1.34
Exxon	24,663,000	26,394,000	-6.56	1,625,000	1,481,000	9.72	94,591,000	103,559,000	-8.66	4,986,000	4,186,000	19.09	5.27	4.04
Getty Oil	1,050,993	1,016,766	1.11	238,644	172,445	38.39	12,016,014	17,395,647	-3.06	493,466	690,712	-28.56	4.11	5.57
Gulf Oil Corp.	7,486,000	8,132,000	-7.94	297,000	226,000	31.42	28,887,000	30,630,000	-5.69	978,000	900,000	8.67	3.39	2.94
Helmerich & Payne	55,502	81,072	-31.54	13,676	13,516	-21.75	240,209	360,612	-33.39	47,800	75,690	-36.85	19.90	20.99
Holly Corp.[3]	103,494	112,777	-8.23	1,837	5,445	-66.26	444,643	452,079	-1.64	6,523	10,516	-37.97	1.47	2.33
Imexco Oil	44,858	47,476	-5.52	3,121	4,070	-23.32	173,240	217,539	-20.36	12,506	18,865	-33.71	7.22	8.67
Kerr-McGee Corp.	923,283	1,015,207	-9.05	17,141	73,515	-76.68	118,412	209,764	-43.55	17,141	73,515	-76.68	14.48	35.05
Louisiana Land & Exp.	176,401	331,302	11.61	18,900	23,173	-18.44	1,254,256	1,205,175	4.07	94,029	76,252	23.31	7.50	6.33
Mapco Inc.	546,567	540,701	1.08	16,042	19,695	-18.55	2,364,653	1,992,947	3.60	50,477	73,822	-31.62	2.44	3.70
Mobil Corp.	15,579,000	16,534,000	-5.78	445,000	398,000	11.81	56,515,000	64,108,000	-8.72	1,501,000	1,211,000	23.74	2.57	1.89
Murphy Oil	543,344	697,784	-22.17	23,883	38,807	-38.46	2,437,967	2,681,709	-9.09	131,876	157,759	-16.41	5.41	5.88
Nugget Oil Corp.[4]	739	1,100	-76.16	-781	-204	282.84	2,161	7,275	-70.29	1,449	-205	-806.83	67.05	-2.82
Occidental Petroleum	4,701,900	4,733,000	-3.66	246,000	2,000	12,200.00	191,157,000	13,657,500	982.58	566,700	155,600	264.20	0.30	0.68
Pennzoil	602,440	529,144	13.85	57,651	50,466	14.19	2,315,833	2,266,511	2.13	164,235	188,713	-12.97	7.09	8.32
Quaker State	217,629	210,144	3.56	9,074	7,216	25.75	902,690	928,933	-2.82	36,574	38,568	-5.17	4.05	4.15
Seneca Oil	3,918	5,792	-32.35	-1,230	-969	26.93	16,163	21,480	-24.75	-6,569	-5,717	14.90	-40.64	-26.61
Shell Oil	5,24.,000	5,176,000	1.33	549,000	438,000	25.34	19,883,000	20,214,000	-1.64	1,633,000	1,605,000	1.74	8.21	7.94
Standard California	7,441,000	7,887,000	-5.65	437,000	425,000	-5.18	29,182,000	35,943,000	-18.81	1,590,000	1,377,000	15.47	5.45	3.83
Standard Indiana	7,406,000	7,383,000	0.31	459,000	415,000	10.60	29,489,000	29,783,000	-0.99	1,868,000	1,826,000	2.30	6.33	6.13
Standard Ohio	3,209,000	3,216,000	-0.34	324,000	464,000	-30.17	12,067,000	13,529,000	-10.81	1,512,000	1,879,000	-19.53	12.53	13.89
Sunoco Energy[5]	13,404	12,614	6.26	-1,705	1,256	-235.75	3,913	3,065	27.67	-510	-159	220.75	-13.03	-5.19
Sun	4,230,000	4,130,000	2.17	61,000	151,000	-59.60	15,520,000	16,260,000	-4.55	452,000	537,000	-15.64	2.92	3.30
Superior Oil	847,485	504,123	11.23	63,746	24,034	165.23	1,793,332	2,048,518	-12.11	241,755	223,423	8.21	13.48	10.95
Tenneco	3,843,000	3,896,000	-1.44	273,000	226,000	20.80	14,446,000	14,979,000	-3.54	654,000	757,000	-13.61	4.53	5.05
Texaco Inc.	10,409,000	11,720,000	-13.26	256,000	326,000	-16.34	41,100,000	48,099,000	-14.37	1,233,000	1,281,000	-3.75	3.00	2.67
Texas Oil & Gas[2]	467,561	430,284	11.36	79,478	66,624	15.82	1,928,614	1,885,891	2.27	306,557	261,538	17.21	15.89	13.87
Tipperary Corp.	16,052,000	13,962,000	14.97	1,391,000	-2,119,000	-165.64	60,724,000	60,162,000	0.93	888,000	-5,500,000	-115.42	1.40	-9.14
Tosco Corp.	481,064	913,749	-47.35	-138,602	3,054	-4,638.37	2,494,200	3,465,946	-28.04	-278,098	132,409	-305.55	-15.16	3.82
Total Petroleum N.A.	529,211	583,772	-13.99	1,914	5,248	-26.42	2,071,957	2,233,056	-7.21	-31,151	12,752	-344.28	-1.50	0.57
Union California	2,680,500	2,736,100	-2.03	178,900	225,000	-20.89	13,693,100	10,899,100	-1.89	525,900	804,000	-22.15	5.85	7.38
Universal Resources[5]	11,688,000	12,599,000	9.63	-5,869,000	-515,000	5,000.00	46,351,000	58,117,000	-16.80	-7,848,000	6,609,000	-218.75	-16.23	11.37
Total:	141,488,514	143,432,701	-1.40	1,004,829	3,161,817	-68.20	708,894,871	580,382,543	22.10	12,026,559	20,247,400	-40.60	1.70	3.50

1 Ends Sept. 30 2 Ends Nov. 30 3 Year end July 31, 1983 4 Six months ending Oct. 31 5 Ends Oct. 31

GAS COMPANIES' FOURTH QUARTER FINANCIAL RESULTS

Company	Three months ending Dec. 31						Twelve months ending Dec. 31						Profit Margin	
	Revenues ($000)			Earnings ($000)			Revenues ($000)			Earnings ($000)				
	1983	1982	%Chg	1983	1982	%Chg	1983	1982	%Chg	1983	1982	%Chg	1983	1982
Alabama Tennessee N.G.	36,080	36,277	-0.54	1,765	1,666	5.94	137,737	132,881	3.65	6,124	5,984	2.33	4.45	4.50
Atlagasco Inc.	97,262	91,928	5.70	848	822	3.16	400,429	353,349	13.32	6,261	6,012	4.14	2.56	1.70
American Nat. Resources	965,000	822,300	17.40	51,200	47,800	6.69	3,372,000	3,097,000	8.88	171,300	161,100	6.33	5.08	5.20
AR&LA	327,289	316,247	+0.83	-8,913	10,166	-187.67	1,297,541	1,296,584	0.07	59,123	45,380	+30.31	4.56	3.36
Columbia Gas	1,600,394	1,418,070	12.86	61,890	64,638	5.01	5,101,242	5,103,256	-0.04	164,754	180,061	-8.50	3.23	3.53
ENSERCH Corp.	922,349	913,433	+0.97	-3,003	11,359	-114.36	3,502,305	3,787,675	-7.53	62,760	145,612	-56.27	1.79	3.84
Entex Inc.	354,987	357,900	-0.81	22,686	13,827	64.04	1,293,143	1,269,291	1.88	63,355	57,114	10.15	4.88	4.52
Houston N.G.[1]	744,375	748,013	-0.53	47,992	58,648	-18.24	2,958,429	3,081,613	-4.00	179,519	249,569	-28.07	6.07	8.10
Intermountain Gas	36,228	41,214	-15.20	1,766	1,893	-7.02	132,671	149,111	-10.89	4,997	4,449	12.32	3.76	2.98
MidCon Corp.[2]	637,076	581,464	9.56	10,814	11,920	-9.28	3,318,975	3,337,430	-0.55	121,605	132,614	-8.32	3.66	3.97
ONEOK Inc.	297,263	255,422	16.38	14,137	5,113	74.25	1,102,703	1,088,620	1.29	33,761	44,966	-26.46	3.24	4.59
Panhandle Eastern	972,115	870,116	10.70	42,877	35,368	18.40	3,405,245	3,384,273	0.62	152,436	219,676	-30.61	4.48	6.50
Sonat Inc.	735,370	747,594	-1.63	41,608	43,999	-5.43	2,723,881	2,737,696	-0.50	219,221	204,619	7.13	7.72	7.47
Texas Eastern Corp.							5,393,045	5,654,353	-4.62	154,577	161,334	-4.19	2.81	2.85
Texas Gas Resources	622,015	627,238	-0.83	26,737	27,399	-2.42	2,262,614	2,304,526	-1.82	79,616	111,286	-28.23	3.53	4.83
TransCanada Pipelines	1,355,300	899,700	17.41	67,500	60,000	12.50	4,470,700	3,466,900	0.11	228,100	198,900	14.68	6.57	5.74
Transco Energy	995,000	1,061,000	-6.22	35,500	22,800	55.70	3,845,000	3,969,000	-0.62	133,000	137,000	-2.92	3.46	3.58
Union Gas Ltd.[3]	389,208	292,925	30.91	18,815	4,536	97.30	801,809	650,526	23.25	27,524	13,669	101.36	3.43	2.10
Total:	10,641,811	10,079,562	5.64	439,000	439,704	-0.20	44,519,729	44,764,086	-0.50	1,859,837	2,134,809	-12.90	4.20	4.80

1 Ends Oct. 31 2 Ends Sept. 30 3 Nine months

nearly 7% as a result of lower petroleum product margins.

Higher natural gas sales due to extremely cold weather and an increase in sulphur volumes took credit for Pennzoil's 14% rise in earnings.

American Petrofina's net income jumped 57% due to improvement in petrochemicals, production, and exploration segments.

Superior Oil's 166% increase reflects generally improved performance for most company operations.

Quaker State Oil Refining reported 26% higher earnings for the fourth quarter due to lower interest cost and taxes.

Callon Petroleum reported earnings of $1.17 million compared to a $150,000 loss in 1982. Higher earnings reflect increases in oil and gas sales and production volumes.

Lower crude oil and condensate prices and volumes, as well as lower natural gas volumes were blamed for Tenneco's 13% drop in net income.

Universal Resources posted a $7.85 million loss due to a $6.19 million (after tax) valuation reserve on the company's drilling rigs.

Anglo Energy's fourth quarter loss of $19.7 million included a provision of $14.4 million for the loss on the sale of Anglo Resources.

FINANCIAL NOTEBOOK

Consumers should not experience appreciably higher energy costs in 1984, despite an expected increase in oil consumption, according to Bank of America's Quarterly Energy Report.

The improved economies of the U.S., Japan, and Europe will trigger additional demand on the world market, but OPEC is expected to hold its price at $29/bbl to avoid losses similar to those brought on last year by the cartel's failure to reach an agreement on production.

The report also says the very slight increase in natural gas prices will not keep pace with inflation and in real terms, will actually decline. Permanent reductions in natural gas consumption by U.S. industries are partly responsible for the drop.

Mergers/acquisitions. Exploration Surveys completed the acquisition of Supreme Corp. for about $10.5 million.

Colorado Interstate (Coastal Corp.) commenced an offer to purchase up to 18.75 million shares of Houston Natural Gas common stock at $68/share.

Marine and Petroleum Equipment (Nantes, France) acquired Anglo Marine and Petroleum Equipment (Shreveport, La.).

ANR Technology (American Natural Resources) will acquire an interest in Nu-Tech Industries.

American Petrofina will purchase Champlin Petroleum's service stations/C-stores in 11 southwest and midwest states.

Minden Oil and Gas and Patton Oil agreed to discontinue merger negotiations.

MidCon (Chicago, Ill.) and Texas Oil & Gas (Dallas, Tex.) completed the acquisition of natural gas pipelines and other assets from seven units of Tatham Pipeline (Houston, Tex.) for $200 million each.

Denver Exploration agreed to acquire Fiesta Energy (Denver, Colo.).

Texaco plans to acquire the U.S. exploration and producing interests of Dome Petroleum (Calgary, Alberta).

Mesa Petroleum and other members of the Gulf Investors Group purchased 675,000 shares of Gulf Oil common stock for about 31.5 million.

Contracts. Texas Gas Gathering entered into a contract with Sun Exploration and Production to purchase all natural gas produced from a 6,400 acre block owned by Sun in Crockett and Val Verde Counties, Texas.

Energy and Resource Consultants (Boulder, Colo.) was awarded a $100,000 contract by Pacific Gas and Electric (San Francisco, Calif.) to analyze the effect of PG&E's Master Meter Conversion program on energy conservation within the utility's service territory.

C-E Lummus (Combustion Engineering) was awarded a contract by FMC Corp.'s Agricultural Chemical Group for the engineering, procurement, and construction of a $40 million plant expansion for the production of Furadan® in Baltimore, Md.

ISI, Inc. (Barnard and Burk Group) was awarded a contract to provide maintenance services at Chevron U.S.A.'s refinery in Salt Lake City, Utah.

Eastern Associated Coal (Eastern Gas and Fuel Associates) and ADDCO Mining agreed to enter into long-term mineral leases and purchase coal mining operations from Appalachian Power (American Electric Power).

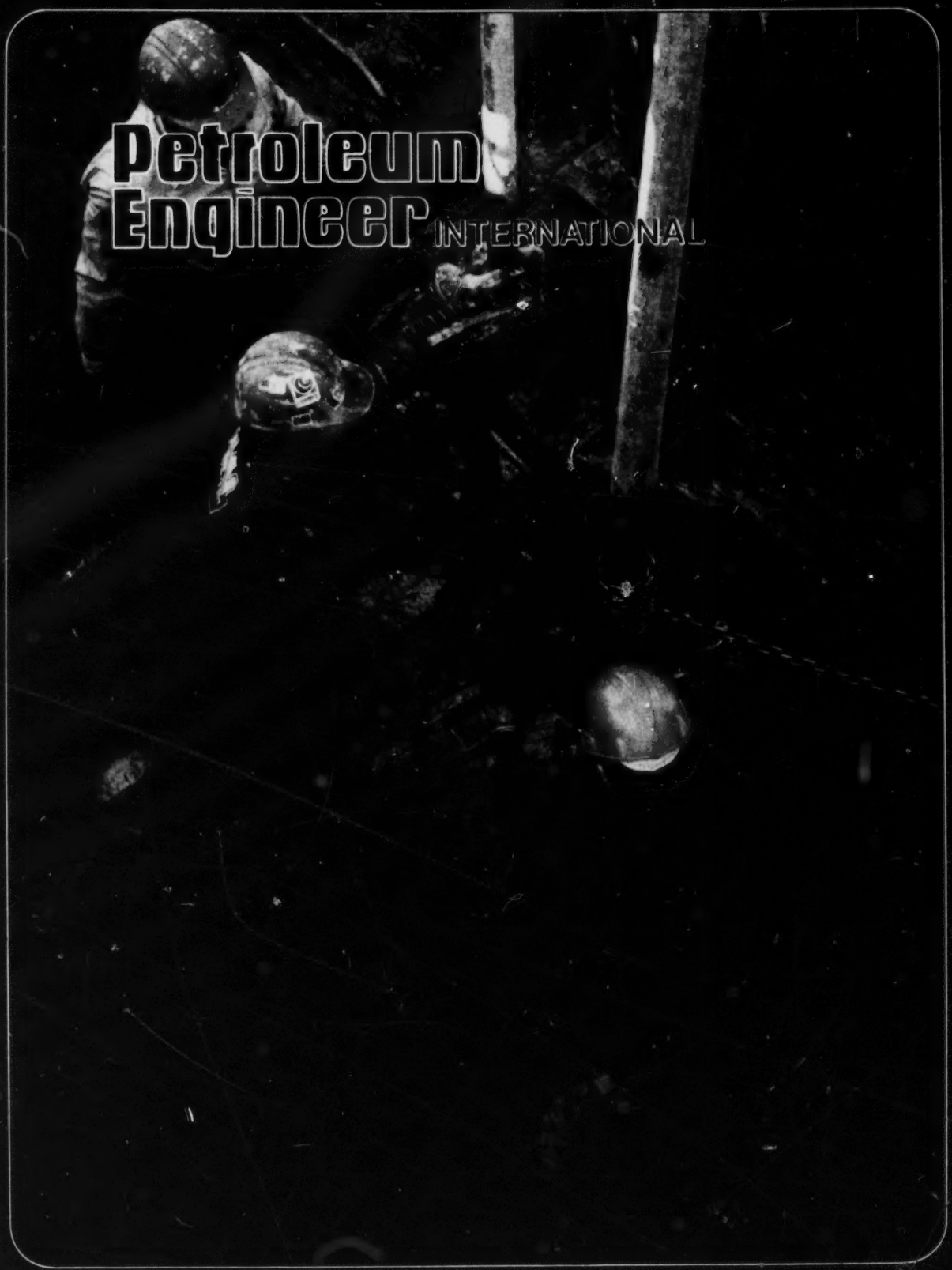
Joint ventures. Brown & Root and a unit of Wharton Williams Holdings joined to form a new Dutch company, Deepwater Holdings BV.

A Royal Dutch/Shell Group com-

SPRING 1984 INTERNATIONAL

LAND RIG LOCATOR

Supplement to the March 1984 issue of



• Drilling Outlook • U.S. & International Contractors
• Contractor Addresses • Rig Locations Worldwide

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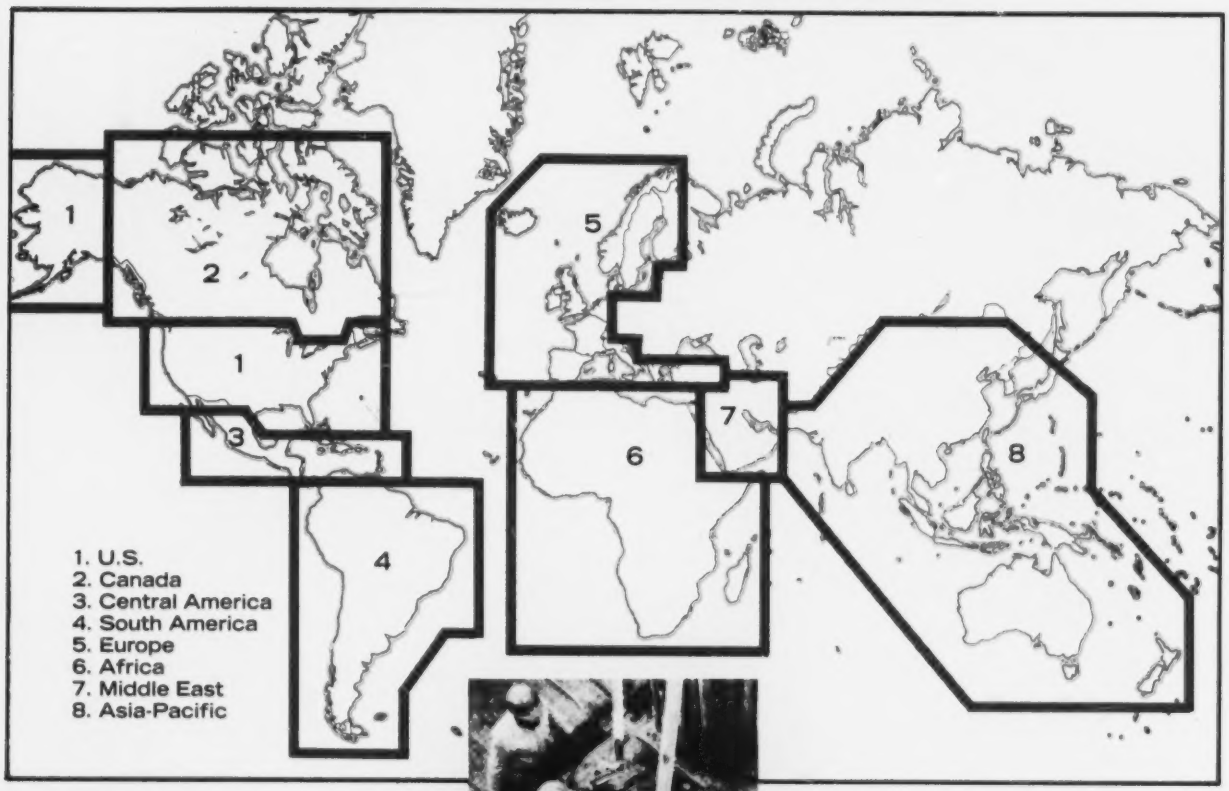

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International Contract Rotary Land Drilling Rigs R-33

(Photo courtesy of Diamond Shamrock Corp.)

For over a quarter century, drilling contractors have given this magazine Rig Locator data, providing operators who let drilling contracts with mechanical specifications and locations of contract rotary rigs throughout the world. Since the Rig Locator's 1955 origin, other organizations periodically attempt similar concepts, while others shuffle and republish PEI Rig Locator data. This Rig Locator, detailing 4,635 land rigs, is the most complete presentation of contract drilling rigs ever published.

Drawworks Manufacturers Abbreviations

Bethlehem Supply Co.	Beth	Foramines	Fora	Lee, Harold Engineering	Lee	Spencer-Harris Machine & Tool Co.	S-H
Bucyrus-Erie Co.	B-E	Gardner-Denver	G-D	Mayhew Supply Co Inc.	May	Superior	Sup
Cabot Corp Machinery Div.	Cbot	Hacker Machine & Supply Co.	Hack	Mid-Continent Supply	MC	Tri Service Mfg. Co.	TSM
Cardwell Mfg. Co.	Crdw	Haniel & Lueg	H-L	National Supply Co.	Nat	Wagner-Morehouse Inc.	W-M
Challenger	Chal	Hooper Machine Works Inc.	Hoop	OIME	OIME	Walker-Neer Mfg. Co. Inc.	W-N
Continental Emsco	C-E	Houston Systems	HS	Oilwell Div. (U.S. Steel)	Oiwl	Weiss Corp.	Weis
Cooper Mfg. Corp.	Coop	Howard-Turner Machine Works	HT	OPI Pump Div.	OPI	Wheland Co.	Whln
DeMag Mfg. Co.	DeMg	Ideco Inc.	Idco	Quincy Mfg.	Quin	Wichtex Machinery Co. Inc.	Wich
Ellis-Williams	E-W	Ingersoll-Rand Co.	I-R	Salzgitter Maschinen Mfg. Co.	Salt	Wilson Mfg. Co. Inc.	Wils
Ewbank Mfg. Div. Inc.	Ewb	Joy Mfg. Co.	Joy	Skytop/Brewster	S/B	Worth Co.	Worth
George E. Failing Co.	Fail	Justiss-Mears Oil Co.	J-M				

Drilling Outlook...

by Steve Moore, Drilling Editor

The drilling industry is in a quagmire, caught between stagnant oil and gas prices and corporate buyouts, the latest rage in replacing reserves. And where is all this bartering for companies leading the drilling industry?

Buying reserves will not put a single rig back to work or add one barrel of oil or cubic foot of natural gas to U.S. proven reserves. But it's hard to argue with the strategy when companies can buy reserves on Wall Street for $4 to $8 per barrel. Expect this phenomenon--buying both large and small companies--to continue through November's elections. Many companies feel a Texaco-Getty type of merger can happen only while Reagan is in office.

But eventually oil companies have to get back to the basics of drilling for reserves, as their proven reserves continue to decline. With a strengthening oil and gas market anticipated in 1985 and a push by the majors to replenish their dwindling reserves, drilling activity should pick up faster than many people think.

The bubble is about to burst--the gas bubble, that is. The current gas deliverability surplus will disappear in the next 12 to 24 months, due partially to rapid drawdowns in older reservoirs and drastically reduced gas well drilling activity during the past 2 years. Some analysts project that 40% to 50% of total U.S. natural gas production in 1986 will be supplied from wells not drilled yet.

More worrisome is the decline in U.S. oil reserves. Proven U.S. oil reserves dropped to about 27.3 billion barrels at the end of 1983, down 600 million barrels from 1982. To replace domestic reserves being consumed, the active rig count needs to average over 3,000 rigs this year, which is quite improbable.

The immediate drilling outlook remains cloudy. Demand for drilling rigs and consumables is flat; rig equipment sales are sporadic at best. However, the economic condition of the industry has and will continue to improve. Companies here today will be here tomorrow--they've retrenched and survived.

According to Hughes Tool Co., the rig count averaged 2,780 active rigs in December 1983, nearly 100 more rigs than for the same period in 1982. However, the year-long rig count averaged only 2,232 rigs, compared with 3,105 rigs in 1982. The averages for both years are a far cry from 1981, when the rig count climbed to over 4,500 rigs, with a year-long average of 3,970 rigs.

Since the beginning of 1984 the rig count has dipped again, although not as severely as in the spring of 1983. At press time, the rig count stands at 2,474 active rigs, 250 more rigs than for the same time last year.

In recent weeks, industry analysts have remained quiet as to how far the rig count will fall this spring and how high it will climb in the ensuing months. Forecasts for the coming year's average rig count vary from 2,200 to 2,700 active rigs--most forecasts fall in the 2,450 to 2,600 range.

The seismic crew count remained steady during the latter part of 1983 and no dramatic change is expected this year in seismic activity. Number of well permits, another vital sign for the drilling industry, is showing good improvement. According to Petroleum Information Corp., 1,858 permits to drill oil and gas wells were issued in the U.S. during the last week of January, well above the 1,285 permits recorded for the same period in 1983.

Well completions were down approximately 12% in 1983, compared with the previous year. In all, some 78,000 wells were drilled last year, the third best

drilling campaign in history, only behind the record years of 1981 and 1982.

At the same time, 1983's average rig count was off by 30%. One of the reasons for the different percentages of decline in well completions and rig count was the downturn in deep drilling. Last year the average rig completed more wells than in 1982, because of increased shallow drilling. Thus, fewer rigs were required to drill the same number of holes. The trend should continue this year.

Drilling costs were down in 1983, as well. According to PI and the latest available Joint Association Survey cost figures, the average cost per foot to drill a well was about $78, compared with $102 and $87 per foot in 1982 and 1981, respectively. When the serious bout with inflation is considered, the drop in costs is even more substantial.

Preliminary figures also show the average well for 1983 was 4,200 ft deep and costed $327,000 to drill and complete. Average well costs in 1982 and 1981 were $479,500 and $402,170, respectively.

Drilling activity for 1984 will be concentrated in known oil-producing basins. Gas provinces like the deep Anadarko Basin and Tuscaloosa Trend will be slow, with a possible increase in activity only toward year's end. The Permian and Gulf Coast basins look stronger--nearly 15,000 wells were drilled in these two basins last year.

Several interesting wildcat plays could have an impact this year. The Eastern Overthrust Belt has brought operators limited success, but several more years of exploration are required to determine the area's potential. Other keynote areas of interest are Nevada's Great Basin and the Pacific Northwest.

In Canada, the rig count reached 323 active rigs in mid-February, compared with 224 active rigs for the same period last year. Many Canadian rigs brought into the U.S. during the 1981 boom have been shipped back, as the outlook for the Canadian energy industry brightens.

The international picture is bleaker. The international rig count hovered around 1,200 active rigs during the last months of 1983, compared with 1,400 rigs in 1982. The 15% to 20% increase in U.S. drilling activity for 1984 will not carry over into the international arena.

Two important international areas for onshore drilling activity, the Middle East and South America, have numerous problems stifling growth. The limited cash flows of OPEC countries and the international debt crisis have hindered energy related projects from moving ahead. For example, Venezuela cut back drilling operations for its Orinoco heavy oil belt from 6,000 to 3,500 wells over a 6-year period.

All things considered, 1984 should bring stability back to the drilling industry. However, the drilling industry has always been cyclic, and the cycles are getting more volatile.

More significantly, the U.S. no longer controls these cycles. The drilling industry's future booms and busts will be manipulated by foreign governments and international crisis. When and in which direction the next big swing in drilling activity will occur is anyone's guess.

Drilling Contractors With Rotary Land Rigs in U.S.

A

ACT DRILLING CO PO Box 690 Yukon OK 73099 405-354-7751
ABERCROMBIE DRILLING INC 801 Union Center Wichita KS 67202 316-262-1841
ADECO DRILLING & ENGRG CO 505 2nd St SW Calgary Alberta T2P 1N8 Canada 403-266-6291
AGUILA DRILLING CO 3626 N Hall St Dallas TX 75219 214-521-0021
AIKINS DRILLING CO 151 10th Ave N Shelby MT 59474 406-434-2565
ALANCO DRILLING CO PO Box 1970 Alice TX 78332 512-664-2388
ALASKA UNITED DRILLING INC 5141 Fairbanks St Anchorage AK 99503 907-561-1265
ALDEBARAN DRILLING CO 453 S Webb Rd PO Box 18611 Wichita KS 67207 316-685-5372
ALEXANDER DRILLING INC PO Box 6162 Fort Smith AR 72906 918-436-2491
ALL WESTERN DRILLING PO Box 1518 Vernal UT 84078 801-789-4581
ALLEN DRILLING CO 1105 Walnut PO Box 1389 Great Bend KS 67530 316-793-5681, 3582, 3583
ALLISON BROS DRILLING CO 1275 Sherman St Ste 202 Denver CO 80203 303-861-2228
ALLISON DRILLING CO 1275 Sherman St Ste 202 Denver CO 80203 303-861-2228
AMERICAN WELL SERVICE & DRILLING PO Box 53365 Lafayette LA 70505 318-837-1852
AMERICAN WESTERN ENERGY CORP 14 Sky Ranch Road Aurora CO 80011 303-360-0944
ANDERSON-MYERS DRILLING CO 3 Park Central Ste 1075 1515 Arapahoe Denver CO 80202 303-623-5600
ANTELOPE DRILLING 6265 E Huerfano Rd Avondale CO 81022 303-948-2201
APOLLO DRILLING 1625 Broadway Ste 2030 Denver CO 80202 303-623-1555
APOLLO DRILLING INC Campbell Centre I Ste M-2150 Dallas TX 75206 214-361-8920
ARAPAHOE DRILLING CO PO Box 26687 Albuquerque NM 87125 505-247-2294
ARBUCKLE DRILLING CO PO Box 2167 Ardmore OK 73401 405-223-4282
ARD DRILLING CO PO Box 1030 Midland TX 79702 915-684-5716
ARDEN DRILLING CO PO Box 968 Edmond OK 73083 405-348-1806
ARDMORE DRILLING CO PO Box 308 Ardmore OK 73401 405-223-2292
ARMSTRONG DRILLING INC PO Box 545 Wooster OH 44691 216-262-4101
ARTESIA FISHING TOOL CO PO Box 470 Artesia NM 88210 505-746-6651
ASHTOLA DRILLING CO PO Box 9198 Amarillo TX 79105 806-376-4371
ASPEN DRILLING CO PO Box P Shelby MT 59474 406-434-5266
ASTRO DRILLING CO 6801 S Western Ste 201 Oklahoma City OK 73139 405-632-9729
ATCO DRILLING INC 3525 S Tamarac Ste 110 Denver CO 80237 303-770-2490
ATCO DRILLING INC SOUTHERN DIV 10590 Westoffice Dr Ste 200 Houston TX 77042 713-777-9199
ATLANTIC OIL CO PO Box 497 Paramount CA 90723 213-633-5151
JIMMIE AUSTIN & SONS INC (See EXETER DRILLING CO)
AUSTIN DRLG CO (See EXETER DRILLING CO)
AUSTIN-DUNHAM INC (See EXETER DRILLING CO)
AZTEC WELL SERVICE CO PO Box B Aztec NM 87410 505-334-6194

B

B D K DRILLING CO PO Box 2488 Victoria TX 77902-2488 512-573-9121
B-E DRILLING CO Rte 5 Box 315 Longview TX 75601 214-758-5406
BJM DRILLING & EXPLORATION INC PO Box 160 Rte 11 Odessa TX 79763 915-563-3025
BAILEY DRILLING CO 700 American Tower Shreveport LA 71101 318-227-8342
PERNIE BAILEY DRILLING CO PO Box 70 Port Barre LA 70577 318-585-6462
BAKER & TAYLOR DRILLING CO PO Box 2748 Amarillo TX 79105 806-373-8307
BALTIC DRILLING LTD 901-7015 MacLeod Trail SW Calgary Alberta T2H 2K6 Canada 403-259-5213 403-233-7733
BANDERA DRILLING CO 809 T&P Lane Abilene TX 79602 915-676-5591
BANNER DRILLING CO 222 W 27th St Scottsbluff NE 69361 308-632-3311
BARNES CORE DRILLING CO 1350 Roberts Lane Bakersfield CA 93308 805-399-9181
BARNHART DRILLING CO First & Monroe PO Box 1638 Riverton WY 82501 307-856-6481
BARR DRILLING CORP PO Box 148 Salem IL 62881 628-548-0200
BASIN DRILLING CORP 900 Oil Center W 2601 Northwest Expy Oklahoma City OK 73112 405-840-2911
BAULCH DRILLING CO 1800 Latta Rd Ada OK 74820 405-332-3155
PETER BAWDEN DRILLING INC CALIFORNIA 12832 Valley View St Ste 210 Garden Grove CA 92645 714-898-0491
PETER BAWDEN DRILLING INC TEXAS DISTRICT 10200 Richmond Ave Ste 123 Houston TX 77042 713-974-3131
PETER BAWDEN DRILLING LTD 2750 400 Fourth Ave SW Calgary Alberta T2P 0J4 Canada 403-265-1511
BAY DRILLING CORP PO Box 2316 Houma LA 70361 504-872-4888
BAYLESS DRILLING CO PO Box 2669 Farmington NM 87499 505-327-7214
BEARD DRILLING CO PO Box 263 Mt Carmel IL 62863 618-262-5194
BEARD DRILLING CO 2000 Classen Center 2000 Classen Blvd Oklahoma City OK 73106 405-524-2664
JACK E BEARDEN DRILLING CO 4605 Jacksboro Hwy PO Box JEBCO Wichita Falls TX 76307 817-767-1474
BENNET PRODUCTION CORP PO Drawer 391 Bowie TX 76230 817-872-1183
BEREDCO INC 401 E Douglas Wichita KS 67202 316-265-2856
BERENTZ DRILLING CO PO Box 428 Eureka KS 67045 316-583-5202
BERGMAN DRILLING INC 520 Union Center Bldg Wichita KS 67202 316-267-5291
BEVERLY DRILLING CO PO Box 446 Logan OH 43138 614-385-8085
BIG 6 DRILLING CO 7500 San Felipe Ste 666 Houston TX 77063 713-783-2300
BIG CHIEF DRILLING CO PO Box 14837 Oklahoma City OK 73113 405-843-5721
BIG SEVEN DRILLING CO 400 Citizens Bldg 115 SE Third St Evansville IN 47708 812-425-3503
BIG SPRINGS DRILLING INC PO Box 8287 Wichita KS 67508 316-681-1732
JAMES BIGARD DRILLING CO 1315 N Mission Rd PO Box 509 Mt Pleasant MI 48858 517-772-5955

B (Cont'd)

BIGHORN DRILLING INC 1625 KSB&T Bldg Wichita KS 67202 316-682-6718
BILBO DRILLING CO PO Box 1099 Victoria TX 77901 512-578-6258
BLACKSTONE DRILLING INC 523 W Kansas PO Box 1184 McPherson KS 67460 316-241-1250
BLOCKER DRILLING CO PO Box 2130 Alice TX 78332 512-664-0114
BLOCKER DRILLING 800 Berring Dr Ste 400 Houston TX 77057 713-974-9100
BLOCKER DRILLING CANADA LTD 11012 Macleod Trail S Ste 800 Calgary Alberta T2J 6A5 Canada 403-278-6050
BODARD & HALE DRILLING CO PO Box 1565 Shawnee OK 74801 405-273-7300
J B BOHANNAN DRILLING INC 2324 N Hwy 83 PO Box 6 Liberal KS 67901 316-624-2202
BONRAY DRILLING CORP Box 340 Rte 4 Oklahoma City OK 73121 405-424-4327
BOW ISLAND DRILLING 700 800 Sixth Ave SW Calgary Alberta T2P 0T8 Canada 403-264-5413 263-1215 955-8722
BRANDT DRILLING INC 1200 Douglas Bldg Wichita KS 67202 316-267-4335
BRAVO DRILLING INC PO Box 1083 Perryton TX 79070 806-435-2869
BRINKERHOFF-SIGNAL INC 3400 Anaconda Tower 555 17th St Denver CO 80202 303-298-1041
BRITTON INDUSTRIES DRILLING 312 N Big Spring Midland TX 79701 915-684-8271
BRUNNER DRILLING CO 1106 N Hwy 360 Grand Prairie TX 75050 214-988-9122
RICK BUCK OIL & GAS CORP (See MARATAN RESOURCES CORP)
BUFFALO DRILLING CO PO Box 911 Wichita KS 67601 913-735-2215 316-265-9686
BUFFALO DRILLING INC 435 Page 220 W Douglas Wichita KS 67202 316-265-9686
L D BURNS DRILLING CO One Parker Square Ste 500 Wichita Falls TX 76308 817-723-0512
BURRIS DRILLING CO 600 N 600-17th St Denver CO 80202 303-892-9718
BURRO DRILLING CO PO Box 4260 Victoria TX 77901 512-578-9021
BUTLER-JOHNSON INC 600 Travis Place Shreveport LA 71101 318-226-0731
BUZZINI DRILLING CO 8700 Crownhill Ste 300 San Antonio TX 78209 512-583-9856

C

C E C DRILLING CO 2601 NW Expwy Ste 1000W Oklahoma City OK 73112 405-840-3356
C M D DRILLING CO 1331 Oakhurst Wichita Falls TX 76302 817-767-8432
CAL PACIFIC DRILLING CO 333 N Lantana St Ste 285 Camarillo CA 93010 805-987-8721
CRC MALLARD WELL INC PO Drawer 51498 OCS Lafayette LA 70505 318-233-4922
CACTUS DRILLING CO 13747 Montfort Ste 300 Dallas TX 75240 214-934-3333
CALIFORNIA PROD SERV INC 19431 S Santa Fe Ave PO Box 4489 Compton CA 90224 213-639-7074
CAPE DRILLING CO PO Box 756 Tyler TX 75710 214-593-8255
CARDINAL DRILLING CO PO Box 1077 Billings MT 59103 406-248-7324
CARTER DEVELOPMENT CORP 8609 NW Plaza Ste 440 Dallas TX 75225 214-521-9580
CARTER LAND & CATTLE CO PO Box 814 Chanute KS 66720 316-431-2080
CHALLENGER DRILLING INC 2515 Kelly Lane Houston TX 77066 713-893-9755
CHAPMAN DRILLING CO (See HANING & YOUNG DRILLING CO)
CHEROKEE DRILLING & DEV CORP PO Box 2381 Midland TX 79702 915-563-1516
CHESLEY PRUET DRILLING CO PO Box 31 El Dorado AR 71730 501-863-7196 601-649-1200
CHEYENNE DRILLING PO Box 916 Garden City KS 67846 316-277-2062
CIMARRON OPERATING CO PO Box 21600 Oklahoma City OK 73156 405-848-2437
CINCO DRILLING CO 2300 Interfirst One Dallas TX 75202 214-741-6031 512-672-7983
CIRCLE C DRILLING CO Rte 4 Box 88 RB Richmond TX 77469 713-341-0922
CLEVELAND DRILLING CO 3131-A Fairhaven Dr Bakersfield CA 93308 805-395-0233
CLIFFS DRILLING CO 2-Allen Center Ste 3150 Houston TX 77002 713-651-9426
COASTAL DRILLING CO 2157 Mohawk St PO Box 5787 Bakersfield CA 93388 805-589-0210
COLEMAN DRILLING CO PO Drawer 3337 Farmington NM 87401 505-325-6892
COLLIER DRILLING CORP PO Box 271 Artesia NM 88210 505-746-3596
COMANCHE DRILLING CO PO Box 636 Cut Bank MT 59427 406-873-5731
COMET DRILLING CO Box 51529 Lafayette LA 70505 318-233-0414
COMPADRE DRILLING & EXPLORATION CORP PO Box 97 Ardmore OK 73402 405-223-3127
CONTINENTAL DRILLING CO PO Box 8569 Tyler TX 75701 214-877-3151
CORKY DRILLING CORP PO Box 1267 Big Spring TX 79721-1267 915-263-3660
CORPUS CHRISTI DRILLING CO PO Box 8400 Corpus Christi TX 78412 512-852-7642
COTHRUM DRILLING CO PO Box 18207 Dallas TX 75218 214-321-9115
CRAWFORD DRILLING CO Rte 3 Box 254 Brenham TX 77833 512-451-6447
CRESCENT DRILLING CO Calhoun Rd PO Box 626 Owensboro KY 42301 502-926-4656
CULVER DRILLING CO PO Box 75382 Oklahoma City OK 73147 405-324-6000
CYCLONE DRILLING INC PO Box 908 Gillette WY 82716 307-682-4161

D

D & D DRILLING CO PO Box 351 Ferriday LA 71334 318-757-3274
D & R DRILLING INC PO Box 4431 Odessa TX 79760 915-563-3550
D B DRILLING CORP 100 Chestnut Suite 200 Abilene TX 79602 915-672-2841
DNB DRILLING INC 515 RH Garvey Bldg Wichita KS 67202 316-687-5471
DAHLQUIST DRILLING INC PO Box 602 Bakersfield CA 93302 805-327-1275
DAMAC DRILLING INC PO Box 1164 Great Bend KS 67530 316-792-1353
D L DAVIS DRILLING CO PO Box 570 Rte 1 N Mt Carmel IL 62863 618-263-4316
DEAN DRILLING CO PO Box 327 Cherokee OK 73728 405-596-3509
DECCA DRILLING CO 700 American Tower Shreveport LA 71101 318-227-8342
DELTA DRILLING CO PO Box 2012 Tyler TX 75710 214-595-7700
DEVONIAN DRILLING CO 500 W Wilson Bridge Rd Ste 300 Worthington OH 43085 614-885-2268

D (Cont'd)

DIAMOND M LAND DRLG PO Box 45858 Houston TX 77045 713-490-5300
DIATOM DRILLING CO PO Box 5004 Borger TX 79008-5004 806-273-3763
DIXILYN-FIELD DRILLING CO PO Box 4251 Houston TX 77210 713-877-8850
DIXON DRILLING CO PO Box 2773 Abilene TX 79604 915-676-8564
DOUGLAS DRILLING INC PO Box 3775 Abilene TX 79604 915-676-5551
DRILCON INC 9099 Westheimer Ste 309 Houston TX 77063 713-780-8772
DRILLERS INC 5629 FM 1960 W Ste 202 Houston TX 77069 713-893-1020
DRILLTECH INC 2 Northpark E Ste 800 PO Box 31350 Dallas TX 75231 214-369-6699 214-363-9705
DUAL DRILLING CO PO Box 240 Wichita Falls TX 76307 817-723-2127
DUKE DRILLING CO PO Box 823 Great Bend KS 67530 316-793-8366
DUNNE-GARDNER PETROLEUM INC 200 W Douglas Ste 250 Wichita KS 67202 316-265-1611

E

E & H DRILLING CO PO Box 1058 Graham TX 76046 817-549-0370
EAGLE DRILLING INC PO Box 8609 Wichita KS 67208 316-682-5513
EARL & SONS DRILLING INC Box 3 Cedar Crest NM 87008 505-281-3880
EASON OIL CO Sub of ITT 2601 NW Expwy Oil Center East Ste 1100E Oklahoma City OK 73102 405-848-8711
EDCO DRILLING CO PO Box 645 El Dorado KS 67042 316-321-9285
EDWARDS WELL SERV 7001 Fruitvale Extension Bakersfield CA 93308 805-589-0111
ELENBURG EXPLORATION INC Hwy 2 W PO Box 1850 Havre MT 59501 406-265-5811
ELJAY DRILLING CORP 8955 Katy Fwy Ste 101 Houston TX 77024 713-932-6771
ENERGY DRILLING CO PO Box 905 Natchez MS 39120 601-446-5259
ENERGY OPERATING CORP (See ENOPCO)
ENERGY SEARCH DRILLING CO PO Box 190 Farmington NM 87401 505-326-1135
ENERGY SERVICES CORP (See ESCOR)
ENOPCO 12201 Merit Dr Ste 1100 Dallas TX 75251 214-387-2805
EQUITY DRILLING CO PO Box 40 Dewey OK 74029 918-534-1700
ESCOR 4273 Corporate Way Mt Pleasant MI 48858 517-773-4922
EXCELL DRILLING CO 6475 Wadsworth Blvd Ste 115 Arvada CO 80003 303-332-3148
EXETER DRILLING CO 200 W Park Ave Ste 2670 First Oklahoma Tower Oklahoma City OK 73102 405-235-9969
EXETER DRILLING CO Northern Division PO Box 17349 TA Denver CO 80217 303-861-0181
EXETER DRILLING CO INC Southern Division 144 Elk Place Ste 1502 New Orleans LA 70112 504-581-1498
EXPLORER DRILLING CO PO Box 53897 Lafayette LA 70505 318-988-2590 318-232-8387

F

F & N DRILLING CO PO Box 6854 Odessa TX 79762 915-367-1028
FWA DRILLING CO PO Box 419 Wichita Falls TX 76307 817-322-0781
FAIRMAN DRILLING CO PO Box 288 Dubois PA 15801 814-371-8410
FAITH DRILLING CO PO Box 7 Houston TX 77001 713-524-7411
FALCON DRILLING CO 1700 SE 22 Second Oklahoma City OK 73129 405-670-3161
JOHN O FARMER INC PO Box 352 Russell KS 67665 913-483-3144
FAULK DRILLING CO PO Box 429 Breckenridge TX 76024 817-559-3744
FELDERHOFF BROS DRILLING CO PO Box 739 Gainesville TN 76240 817-665-0396
FISCUS DRILLING CO Rte 1 Box 572-A Big Spring TX 79720 915-393-5211
FOREX NEPTUNE AND/OR AFFILIATES 50 Ave Jean-Jarves BP 599 92542 Montrouge Cedex France 657 11 07
FORWEST INC 910 16th St Ste 408 Denver CO 80202 303-573-1661
FOSSIL DRILLING CORP 6 NE 63rd Ste 315 Oklahoma City OK 73105-1496 405-840-9255
FOUR CORNERS DRILLING CO PO Box 1067 Farmington NM 87401 505-327-0322
FRANCE DRILLING CORP (See GRACE FRANCE DRILLING)
FRANKLIN DRILLING INC PO Drawer 1237 Graham TX 76046 817-549-5661
FREEMAN DRILLING CO 251 N Water Ste 10 Wichita KS 67202 316-263-7049
FRIO DRILLING CO 1216 Guaranty Bank Plaza Corpus Christi TX 78475 512-883-8555

G

GCO DRILLING CO PO Box 3134 Abilene TX 79604 915-695-9410
GABBERT-JONES INC 830 Sutton Place Wichita KS 67202 316-263-6209
GALLAGHER DRILLING INC PO Box 3046 Evansville IN 47730 812-425-8256
GALLOWAY DRILLING CO 340 Broadway Plaza Bldg 105 S Broadway Wichita KS 67202 316-263-1793
GARNETT DRILLING LTD 814-603 Seventh Ave SW Calgary Alberta T2P 2T5 Canada 403-262-7906
GARY DRILLING CO 7001 Fruitvale Extension Bakersfield CA 93308 805-589-0111
GIBSON DRILLING CO PO Box 1540 Kilgore TX 75662 214-984-5068
J W GIBSON WELL SERVICE CO 3025 S Parker Rd Ste 711 Aurora CO 80014 303-752-2527
GLENDEL DRILLING CO 2761 Old Erath Rd PO Box 765 Abbeville LA 70511-0765 318-898-1637
GLOBE DRILLING CO 1212 The Peoples Plaza Tower Tyler TX 75702 214-593-0281
GOLDEN STATE DRILLING INC 3312 Fruitvale Ave Bakersfield CA 93308 805-589-0730
GOLDRUS DRILLING CO PO Box 4394 Houston TX 77210 713-658-9271
GRACE BOMAC DRILLING 10403 W Colfax Ste 700 Lakewood CO 80215 303-234-1444
GRACE FRANCE DRILLING Div TRG Drilling Corp 700 Travis Place Shreveport LA 71101 318-221-3434
GRACE MILLER DRILLING Rte 5 Box 450 Fort Smith AR 72901 501-646-3481
GRACE/TRG DRILLING CO 3300 NE 60th St Oklahoma City OK 73121 405-478-4880
GRAND DRILLING 920 Hamilton Bldg Wichita Falls TX 76301 817-723-2422
GRAVES DRILLING CO 910 Union Center Wichita KS 67202 316-265-7233
GREAT SOUTHERN OIL & GAS CO PO Box 52707 Lafayette LA 70505 318-233-4400
GREY WOLF DRILLING CO 2000 S Post Oak Rd Ste 1730 Houston TX 77056 713-626-1373
GUFFEY-SCHLENSKER DRILLING CORP PO Box 1330 Richardson TX 75080 214-231-8551
GWALTNEY DRILLING CO PO Box 520 Washington IN 47501 812-254-5085

H

H & S DRILLING CO 320 S Boston Ste 2000 Tulsa OK 74103 918-587-8163
H S ENERGY/SENIOR DRILLING CO (See SENIOR DRILLING)
H-30 DRILLING INC 251 N Water Ste 10 Wichita KS 67202 316-263-2043
HACK DRILLING CO PO Box 5108 Abilene TX 79608 915-692-4111
HAMM DRILLING INC One Perry Plaza Box 17 Perry KS 66073 913-597-5111
HANING & YOUNG DRILLING CO 2910 Holmes Rd Houston TX 77051 713-734-5555
HARKINS & CO PO Box 1940 Alice TX 78332 512-664-3427
HARPEL DRILLING CO PO Box 2811 Casper WY 82602 307-265-9193
HARRIS DRILLING CO Box 99 Hwy 15 Grayville IL 62844 618-375-2211
HARRIS WELL SERVICE INC PO Drawer 949 Eunice LA 70535 318-457-3376
H F HATCHER & SON PO Box 167 Smackover AR 71762 501-725-2436
HEARTLAND DRILLING INC 600 One Main Place Wichita KS 67202-1399 316-265-9723
HELMERICH & PAYNE INTL DRILLING Utica at 21st St Tulsa OK 74114 918-742-5531
HENLEY DRILLING CO 2900 First Natl Bank Bldg Ste 2420 Dallas TX 75202 214-749-0847
HERB EXPLORATION PO Box 1934 Abilene TX 79604 915-672-1291
HICKMAN DRILLING CO PO Box 1467 Woodward OK 73801 405-256-8688
W B HINTON DRILLING CO 1805 N Jefferson St Mt Pleasant TX 72455 214-572-8777
HOLLIDAY DRILLING INC PO Box 3489 Midland TX 79702 915-697-2208
HONDO DRILLING CO PO Drawer 2516 Midland TX 79702 915-682-9401
HOUTECH DRILLING 10701 Corporate Dr Ste 230 Stafford TX 77477 713-494-5151
HOWELL DRILLING INC 635 Milam Bldg San Antonio TX 78205 512-227-5283
LEONARD HUDSON DRILLING CO PO Box 1876 Pampa TX 79065 806-665-1816
HUGHES DRILLING CO Box 6001 Enid OK 73702 405-234-7222
HUNNICUTT CAMP DRILLING CO PO Box 399 Rio Vista CA 94571 707-374-2425 805-327-3948
CLINT HURT & ASSOCIATES INC PO Box 1973 Midland TX 79702 915-683-6381
HUSKY DRILLING CO 555 N Woodlawn Ste 114 Wichita KS 67208 316-685-7677
HUSSAR DRILLING (See Concept Resources Ltd)
HYLTON DRILLING CO 7700 Downing Rd Bakersfield CA 93308 805-589-2062

I

IMPERIAL DRILLING CO Suite 291 Century Center Plaza 100 W Main St Oklahoma City OK 73102 405-236-2001
INTERNATIONAL PETROLEUM SERV CO Rte 6 N PO Box 547 Sheffield PA 16347 814-968-3295
IRON DRILLING CO 3201 S Van Buren PO Box 3525 Enid OK 73701 405-234-1292

J

J & C DRILLING CO PO Box 216 Refugio TX 78377 512-526-2376
J & W DRILLING CO Rte 3 Gorman TX 76454 817-734-2665
J 3 DRILLING CO First City Bank Tower Corpus Christi TX 78477 512-881-9773
J W DRILLING CO 200 E First St Ste 500 Wichita KS 67202 316-263-5924
J-V DRILLING CO 4445 Commerce St Evansville IN 47710 812-424-3571
JFP WELL SERVICE INC 14425 Torrey Chase Blvd Suite 300 Houston TX 77014 713-893-4464
JHJ DRILLING CO 333 North Belt East Ste 620 Houston TX 77060 713-999-4980
JAY-LAN CORP 207 W 12th St Hays KS 67601 913-628-1316
JOHNN DRILLING CO PO Box 6189 Odessa TX 79762 915-563-1280
JOHNSON-BATES DRILLING CO PO Box 128 Konawa OK 74849 405-925-3256
JONES DRILLING CO PO Box 665 Albany TX 76430 915-762-3652
LOYD JONES DRILLING CO PO Box 816 Perryton TX 79070 806-435-6871
JONES DRILLING CORP PO Box 1185 Duncan OK 73533 405-255-1191
JUSTISS OIL CO PO Drawer N Jena LA 71342 318-992-4111

K

K B DRILLING CO PO Box 1848 Harve MT 59501 406-265-1407
K B DRILLING & PRODUCTION INC PO Box 1244 Taft CA 93268 805-763-5106
KCA DRILLING LTD KCA House 227 Shepherds Bush Rd London W6 7AS England 01-741-4811
KANDRILCO INC Bldg 1 Ste 207 555 N Woodlawn Wichita KS 67208 316-681-1623
KANSAS DRILLING & WELL SERV INC 203 S Third Marion KS 66861 316-382-3734
KAY DRILLING CO PO Box 1622 Ponca City OK 74602 405-765-2406
KELLEY & KERR DRILLING CO 15119 Memorial Dr Ste 100 Houston TX 77079 713-870-8774
K L KELLOGG & SONS 4220 Long Beach Blvd PO Box 7053 Long Beach CA 90807 213-422-1247
KENAI DRILLING OF NEW MEXICO INC PO Box 1636 Hobbs NM 88241-1636 505-392-7528
KENAI DRILLING OF TEXAS INC PO Box 6725 Odessa TX 79767 915-362-2323
KENAI DRILLING WEST COAST INC PO Box 2248 Orcutt CA 93454 805-928-1701
KENDALL DRILLING CO 3112 E Powell Evansville IN 47715 812-477-5535
KENTING DRILLING CO LTD One Denver Place Ste 220 999-18th St Denver CO 80202 303-893-1383
KING DRILLING CO Rte 1 Box 9 Canadian TX 79104 806-323-6664
KINGERY DRILLING CO PO Box 1588 Ardmore OK 73401 405-223-6823

L

L & G DRILLING CO PO Box 35 Mt Pleasant MI 48858 517-772-3083
L & M DRILLING INC PO Box 470 Artesia NM 88210 505-748-2205
L & R DRILLING CO PO Box 936 Pierre SD 57501 605-224-8393
L D DRILLING CO PO Box 324 Great Bend KS 67530 316-793-3051
LLL DRILLING CO PO Box 188 Bloomfield NM 87413 505-632-8045
LA RUE DRILLING CO PO Box 202 Artesia NM 88210
LADRIDO DRILLING CO 4600 W Hwy 80 Midland TX 79703 915-694-2546
LAGERSEN DRILLING CO 302 Beck Bldg Shreveport LA 71101 318-227-9939
LANDIS DRILLING CO One Marienfeld Place Ste 350 PO Box 3579 Midland TX 79703 915-683-4151
LANEX DRILLING CO 4013 NW Expwy Oklahoma City OK 73116 405-840-5022
LEROY LANGE DRILLING CO 1102 Montana Big Lake TX 76932 915-465-4751
D R LAUCK OIL CO 221 S Broadway Ste 400 Wichita KS 67202 316-263-8267
LEBEN DRILLING CO 105 S Broadway Ste 640 Wichita KS 67202-4260 316-264-2375

L (Cont'd)

LEE DRILLING INC 4802 Derrick Dr Abilene TX 79601 915-677-3566
LEEMAN DRILLING CO 1400 Fifty Penn Place Oklahoma City OK 73118 405-842-1622
DAN LESTER DRILLING CO PO Drawer N Jefferson TX 75657 214-665-2511
LITTLE-DEUTAG DRILLING INC 2007 N Commerce PO Box 1509 Ardmore OK 73402 405-226-7620
LOFFLAND BROS CO PO Box 2847 Tulsa OK 74101 918-622-9330
LOGAN DRILLING CO PO Box 1622 Enid OK 73702 405-233-5048
LOHMANN DRILLING CO 18 NW 45th St Evansville IN 47708 812-428-4180
J ROY LOHMANN INC 18 NW 45th St Evansville IN 47708 812-428-4180
LORD DRILLING CO 14618 W Sixth Ave Golden CO 80401 303-279-2471
LOUISE DRILLING CO PO Box 272 Louise TX 77455 409-648-2641
LOWE DRILLING CO PO Box 1368 Albany TX 76430 915-762-2530
LUKE GRACE CO 710 Petroleum Bldg PO Box 5371 Wichita Falls TX 76307 817-723-2187
LYNX DRILLING CO PO Box 13300 Arlington TX 76013 817-261-4181

M

M G F DRILLING CO-HOUSTON 2626 Richmond Houston TX 77098 713-526-7236
M G F DRILLING CO-LAFAYETTE PO Box 938 Scott LA 70583 318-237-6161
M G F DRILLING CO-MIDLAND PO Box 6370 Midland TX 79701 915-563-4850
M N D DRILLING CORP-NORTHERN DIV PO Box 248 Bridgeport TX 76026 817-683-5106
M N D DRILLING CORP-SOUTHERN DIV PO Box 109 Magnolia TX 77355 713-356-8280
MOXA DRILLING CO 106 W Eighth McCook NE 69001 308-345-2945
MAGEE-POOLE DRILLING CO PO Box 2000 Alice TX 78332 512-664-1891
MAGIC CIRCLE DRILLING CO 4141 Northwest Expwy Oklahoma City OK 73116 405-843-6654
R L MANNING CO 1700 Broadway Ste 2200 Denver CO 80290 303-839-1977
MAR-TAY DRILLING CO PO Box 1216 Drumright OK 74030 918-352-3802
MARATAN RESOURCES CORP 2525 Northwest Expy Oklahoma City OK 73112 405-848-2866
MARION DRILLING & SERVICES CO PO Box 3027 Mobile AL 36652 205-626-3924
MARLIN-WEST DRILLING CO 3025 Gibson St PO Box 551 Bakersfield CA 93302 805-327-8304
MAXWELL DRILLING CO PO Box 1679 Bowie TX 76230 817-872-5455
MAXWELL HERRING DRILLING CORP PO Box 1297 Tyler TX 75710 214-593-1737
McALLISTER DRILLING INC 251 North Water Ste 10 Wichita KS 67202 316-263-6972
McBAY OIL & GAS INC PO Box 1085 Crockett TX 75835 409-544-5168
J W McCUTCHEN DRILLING CO 912 Oil & Gas Bldg Wichita Falls TX 76301 817-322-9231
McLENNAN DRILLING CO PO Box 6 Nowata OK 74048 918-273-1265
McMURREY PETROLEUM INC PO Box 1899 Kilgore TX 75662 214-984-3578
McVAY DRILLING CO 308 Philtower Bldg Tulsa OK 74103 505-397-3311
MEGARGEL DRILLING CO PO Box 356 Megargel TX 76370 817-563-2311
MELLON DRILLING CO 133 W Concho Ste 103 San Angelo TX 76901 915-655-8951
MELTON DRILLING CO 7101 Downing Ave Bakersfield CA 93308 805-587-0521
MENDENHALL DRILLING CO PO Box 302 Lamont OK 74643 405-388-4444
MERCURY DRILLING CO 1701 SE 25th St Oklahoma City OK 73129 405-672-4441
MESA DRILLERS PO Box 108 Lubbock TX 79408 806-794-3248
MESA DRILLING CO PO Box 1481 Abilene TX 79601 915-673-4787
MID-AMERICA DRILLING & EXPL INC (See PRAIRIE STATES EXPL INC)
MID ATLANTIC OIL CO DRILLING DIV PO Box 198 Belle Valley OH 43717 614-732-5674
MILLER CONTRACT DRILLING INC PO Box 478 Livingston TN 38570 615-823-6425
MILLER DRILLING CO (See GRACE MILLER DRILLING CO)
MILLER EXPLORATION CORP PO Box 246 Allegan MI 49010 616-843-8331
MIN-TEX DRILLING CORP (See SUN COUNTRY DRILLING & EXPLORATION)
GEORGE N MITCHELL DRILLING CO Airport Rd PO Drawer 111 Carmi IL 62821 618-382-2343
MOLEN DRILLING CO Grand Bldg Ste 500 PO Box 2222 Billings MT 59103 406-252-2591
MONTEREY DRILLING CO 11 W Del Mar Ste 203 Pasadena CA 91105 805-327-3948
MONTGOMERY DRILLING CANADA LTD 960-700 Fourth Ave SW Calgary Alberta T2P 3J4 Canada 403-290-1644
MONTGOMERY DRILLING CO PO Box 2508 Bakersfield CA 93303 805-393-9620
MORAN BROS INC PO Box 4502 Houston TX 77210 713-820-1865
E W MORAN DRILLING CO PO Box 7519 Wichita Falls TX 76307 817-691-3000
MORANCO PO Box 1860 Hobbs NM 88240 505-397-3511
MORRISON DRILLING & PRODUCING CO One Energy Square Ste 1-LB Abilene TX 79601 915-677-8523
MOSLEY WELL SERVICE INC PO Box 970 Minden LA 71055 318-377-2393
MURCO DRILLING CORP 1900 Beck Bldg Shreveport LA 71101 318-221-7373
MURFIN DRILLING CO 617 Union Center Bldg Wichita KS 67202 316-267-3241
MURLYNSON DRILLING CO PO Drawer 1876 Alice TX 78333 512-664-4540
PETE MURPHY DRILLING CO PO Drawer 1876 Alice TX 78333 512-664-3807

N

N R G DRILLING INC PO Box 1157 Liberal KS 67901 316-624-1818
NECK DRILLING CO Bin X Taft CA 93268 805-769-8811
NL WELL SERVICE PO Box 488 Abbeville LA 70510 318-893-3486
NABORS ALASKA DRILLING INC Anglo Energy Co 4300 B St Ste 600 Anchorage AK 99503 907-561-4440
NABORS DRILLING LTD 324 Eighth Ave SW 1107 Home Oil Tower Ste 1107 TD Square Calgary Alberta T2P 2Z2 Canada 403-263-6610
NELSON DRILLING & WELL SERV 2100 Louisiana Tower Shreveport LA 71101 318-221-6890
DAVID NEW DRILLING CO PO Drawer 1487 Natchez MS 39120 601-442-1607
NEW JERSEY DRILLING CO Rte 206 Box 8 Netcong NJ 07857 201-347-2269
NEW PROSPECT DRILLING CO PO Box 729 Greenwood AR 72936 501-996-6791
NICKLOS DRILLING CO PO Box 752 Eunice LA 70535 318-457-8103
NICOR DRILLING CO 500 Reunion Center 9 E Fourth St Tulsa OK 74103 918-587-5507
NIXON DRILLING CO 201 S Laurel St PO Box 632 Luling TX 78648 512-875-2416
NOBLE DRILLING CORP 1924 S Utica Ste 600 Tulsa OK 74104 918-749-9901
JAMES R NORMAN DRILLING CO Rte 3 Box 391 Dickson TN 37055 615-645-4361

N (Cont'd)

NORTON DRILLING CO 606 Lubbock National Bank Bldg Lubbock TX 79401 806-747-3324
A N NORWOOD INC PO Box 310 Midland TX 79702 915-683-3972
NOWOTNY & CONLEY DRILLING CORP 1700 Buckner Square Ste 200 Shreveport LA 71101 318-227-0442

O

ELMER OELZE JR RR 1 Box 148 Nashville IL 62263 618-327-3807
OILWELL DRILLING INC (See Tommy's Oilwell Drilling Inc)
OLSEN DRILLING CO 1616 Glenarm Place Ste 1305 Denver CO 80202 303-893-2221
ONEOK DRILLING CO 7060 S Yale Tulsa OK 74153 918-494-8725
O'NEAL DRILLING CO PO Box 4660 Fort Worth TX 76106 817-625-8246
ORIGINALA DRILLING CO 956 S Main Jacksboro TX 76056 817-567-3991
OWEN DRILLING CO PO Box 861 Magnolia AR 71753 501-234-6300
JACK OWENS SERV CO 1626 Del Dayo Dr Carmichael CA 95608 916-485-8995

P

P E P DRILLING CO 123 S 10th PO Box 824 Mt Vernon IL 62864 618-242-2205
PRC DRILLING CO PO Box 1121 Corpus Christi TX 78403 512-289-6763
PADRE DRILLING CO PO Box 9925 Corpus Christi TX 78469 512-241-2871
PAR-CO DRILLING INC PO Box 873 Natchez MS 39120 601-442-6421
PARKER DRILLING CO 8 E Third St Tulsa OK 74103 918-585-8221
PEARL EXPLORATION INC PO Box 2179 Alice TX 78332 512-664-2605
PENROD DRILLING CO 2200 Thanksgiving Tower Dallas TX 75202 214-880-1700
PETERS DRILLING INC PO Box 742 Great Bend KS 67530 316-793-6721
PHELPS DRILLING CO LTD #800 11012 Macleod Trail S Calgary Alberta T2J 6A5 Canada 403-278-6050
PICKRELL DRILLING CO 110 N Market Ste 205 Wichita KS 67202 316-262-8427
PILGRIM DRILLING CO 6733 S Yale Ave PO Box 35588 Tulsa OK 74136 918-494-0944
PLOTNER DRILLING CO 8101 NW 10th St Oklahoma City OK 73127 405-787-7234
GENE PORTER DRILLING CO PO Box 359 Cushing OK 74023 918-225-1563
POWER RIG DRILLING CO PO Box 52808 Lafayette LA 70505 318-234-4525
POZOS INTERNATIONAL DRILLING SERVICES CO 9 Pozos Lane PO Box 3339 Conroe TX 77305 409-756-4161
PRECISION EXPL CO PO Box 278 Olney IL 62450 618-395-8448
J A PRICE & CO PO Box 4435 Odessa TX 79760 915-563-3139
T D PROVINS DRILLING CO 2113 Enterprise Dr PO Box 668 Mt Pleasant MI 48858 517-773-6946
PRUET-RAM CO PO Box 31 El Dorado AR 71730 501-863-3612
PYRAMID OIL WELL SERV PO Box 3225 Santa Fe Springs CA 90670 213-944-6703

Q

QUANZA DRILLING INC 3824 N Meridian Ste 110 Oklahoma City OK 73112 405-942-7900
QUARLES DRILLING CORP 7633 E 63 Place Suite 500 Tulsa OK 74133 918-250-0515

R

R R A INC 510 Hardage Center Wichita KS 67202 316-262-3411
R RIGS INC PO Box 99 Quinlan TX 75474 214-563-6771
R W I T DRILLING CO 324 W Main PO Box 551 Holdenville OK 74848 405-379-5491
R & G DRILLING Sub Rine Drlg 300 W Douglas Ste 600 Wichita KS 67202 316-267-1333
RDC/FINLEY (See Republic Drilling Co)
RAINBOW DRILLING CO 1108 N Kilgore St PO Box 1779 Kilgore TX 75662 214-984-5095
RAINS & WILLIAMSON OIL CO 435 Page Court 220 W Douglas Wichita KS 67202 316-265-9686 913-735-2215 913-625-7976
RAM DRILLING CO PO Box 118 Browns IL 62818 618-446-5117
RANGE DRILLING CO 240 Page Ct 220 W Douglas Wichita KS 67202 316-265-6231
RAPAD DRILLING CO PO Box 31 El Dorado AR 71730 501-863-7196
RATLIFF DRILLING CO PO Box 988 Duncan OK 73533 405-255-2916
RAY RESOURCES CORP PO Box 203 Culloden WV 25510 304-743-9067
REBEL RIG #3 LTD PO Box 1151 Natchez MS 39120 601-446-7831
RED TIGER DRILLING CO 1720 Kansas State Bank Bldg Wichita KS 76202 316-263-2371
REMCO DRILLING 3000 E Hwy 80 Haughton LA 71037 318-949-4103
REPUBLIC DRILLING CO PO Box 2945 Santa Fe Springs CA 90670 213-595-4505
RESOURCE DRILLING INC PO Box 4341 Houston TX 77210 713-871-8550
RICHARDS-ARMSTRONG INC PO Box 1149 Bay City TX 77414 409-245-8389
RICHARDS DRILLING CO PO Box 1149 Bay City TX 77414 409-245-8389
RICHARDS DRILLING LTD PO Box 1149 Bay City TX 77414 409-245-8389
RICHARDS DRILLING ASSOC PO Box 1149 Bay City TX 77414 409-245-8389
RILEY DRILLING CO 907 Scurry Big Spring TX 79720 915-394-4454
RINE DRILLING CO 300 W Douglas Ste 600 Wichita KS 67202 316-267-1333
RIO COLORADO DRILLING CO 330 North Belt E Ste 100 Houston TX 77060 713-445-2231
RIO GRANDE DRILLING CO 2300 Tower Life Bldg San Antonio TX 78205 512-224-4572
ROBERSON DRILLING CO PO Box 1966 Ardmore OK 73402-1966 405-223-1277
ROBINSON BROS DRILLING CO 1413 25th St Woodward OK 73801 405-254-3361
ROBINSON DRILLING OF TEXAS PO Box 311 Big Spring TX 79720 915-267-5277
ROCKHOLD ENGINEERING INC PO Box 698 Great Bend KS 67530 316-792-2506
ROCKWELL DRILLING CO PO Box 993 400 W Fifth St Holdenville OK 74848 405-379-5414
ROD RIC CORP PO Box 10847 Midland TX 79702 915-682-7880
J B RODEN DRILLING CO PO Box 880 Mills WY 82644 307-266-6552
MIKE ROGERS DRILLING CO PO Box 126 Magnolia AR 71753 501-234-2322
ROSAMOND DRILLING CO 1300 Main Ste 1800 Houston TX 77002 713-951-9155
ROWAN DRILLING-US 1900 Post Oak Tower Bldg 5051 Westheimer Houston TX 77056 713-621-7800
ROYAL DRILLING INC PO Box 1971 Ada OK 74820 405-332-1426
ROYCO DRILLING CO PO Box 681 Owensboro KY 42301 502-685-3687 502-229-4936

S

S & T DRILLING LTD PO Box 4890 Edmonton Alberta T6E 5G7 Canada 403-955-7011
SEE LAND DRILLING CORP PO Box 311 Magnolia MS 39652 601-249-3060
SH & J DRILLING CORP PO Drawer 888 Magnolia AR 71753 501-234-4600
SABRE DRILLING CO G. ..e Sabre Drilling 3300 NE 60th Oklahoma Cirty OK 73121 405-478-1757
SABRE DRILLING INC 1215 24th St W #220 Billings MT 59102 406-656-0730
SAFARI DRILLING CORP PO Box 3236 Abilene TX 79604 915-677-2826
SAGE DRILLING CO 202 S St Francis Wichita KS 67202 316-263-6139
SAN PATRICIO CORP PO Box 966 Corpus Christi TX 78403 512-289-6717
SANDIA DRILLING CO 2500 Broadway Bldg Edmond OK 73034 405-348-7442
SANTA FE DRILLING CO PO Box 1401 Orange CA 92669 714-558-1300
SAWYER DRILLING & SERV INC 1300 American Tower Shreveport LA 71101 318-949-3282
SCANDINAVIAN MONTGOMERY DRILLING PO Box 2508 Bakersfield CA 93303 805-327-5736 805-393-9620
SCHLENSKER DRILLING CORP PO Box 1330 Richardson TX 75080 214-231-8551
DON SCOTT DRILLING CO PO Box 177 Jonesville MI 49250 517-849-9237
JERRY SCOTT DRILLING CO 319 N Harvey Rd PO Box 1488 Seminole OK 74868 405-382-2202
SEALY & CO PO Box 407 Breckenridge TX 76024 817-559-6543
SEARCH DRILLING CO 1900 First Oklahoma Tower 210 W Park Ave Oklahoma City OK 73102 316-682-7526
SENECA DRILLING CO 100 NW 63rd St Oklahoma City OK 73116 405-848-3388
SENIOR DRILLING CO 5454 LaSierra Ste 200 Dallas TX 75231 214-363-7163
SERVICE DRILLING CO PO Box 5320 Borger TX 79007-5320 806-273-7573
SHARP DRILLING CO PO Box 1271 Midland TX 79702 915-683-3384
SHELBY DRILLING 5350 S Roslyn Ste 300 Englewood CO 80111 303-740-2200
R H SHELDON & SON INC 13213 TR 50 Dunkirk OH 45836 419-759-2351
SHIELDS DRILLING CO PO Box 709 Russell KS 67665 913-483-3141
SHULER DRILLING CO 3514 W Hillsboro El Dorado AR 71730 501-863-7234
SIERRA DRILLING CO PO Box 2661 Midland TX 75231 214-363-7163
SIGNAL OILFIELD SERVICE INC 1616 Glenarm Place Ste 1200 Denver CO 80202 303-298-1050
SIMMONS DRILLING INC 2000, 1616 Glenarm Pl Denver CO 80202 303-825-3985
SITTON DRILLING CO 916 Main Ste 503 Republic Bank Bldg Lubbock TX 79401 806-763-4442
SLAWSON DRILLING CO 200 Douglas Bldg Wichita KS 67207 316-263-3201
SLOAN DRILLING CO 2825 E Skelly Dr Ste 827 Tulsa OK 74105 918-745-6570
SMART DRILLING CO (See ONEOK DRILLING CO)
SMITH BROTHERS DRILLING CO 5208 W Reno Ste 250 Oklahoma City OK 73127 405-943-0165
SMITH DRILLING CO Rte 1 S PO Box 150 Lawrenceville IL 62439 618-943-2342
CARL E SMITH PETROLEUM INC PO Box 4 Sandyville WV 25275-0004 304-273-9313
SNYDER DRILLING WELL SERV CO Hwy 1 S PO Box E Grayville IL 62844 618-375-2491
SOAPE DRILLING CO PO Box 1284 Billings MT 59103 406-252-1341
SOJOURNER DRILLING CORP PO Box 3234 Abilene TX 79604 915-672-2832 915-677-6269
SOUTH TEXAS DRILLING CO 2211 NE Loop 410 Ste 100 San Antonio TX 78205 512-654-4085 713-784-4051
SOUTHLAND DRILLING CO Rte 5 Box 121 Victoria TX 77901 512-578-3531
SPARTAN DRILLING INC 11777 Katy Freeway Suite 155 Houston TX 77079 713-558-9005
STAHLCO DRILLING CO 1013 W Eighth PO Box 2231 Amarillo TX 79105 806-376-5038
STERLING DRILLING CO 230 N Fourth St Sterling KS 67579 316-278-2131
STERLING DRILLING CO PO Drawer 3068 Midland TX 79702 915-685-3054
STEWART BROTHERS DRILLING CO PO Box 2067 Grants NM 87020 505-287-2986
STOEPPELWERTH DRILLING INC 1111 E "H" St McCook NE 69001 308-345-1766
STRATA DRILLING INC PO Box 355 Great Bend KS 67530 316-793-7971
SUMPTER & BARKER DRILLING CO PO Box 1081 Stillwater OK 74076 405-372-4063
SUN COUNTRY DRILLING & EXPLORATION INC PO Box 1406 Mineral Wells TX 76067 817-325-9591
SWEETMAN DRILLING INC 500 Heritage Park Place Wichita KS 67202 316-265-5561

T

T E K DRILLING CO 1224 Josey Lane Ste B Carrollton TX 75006 214-242-8314, 6402
TL DRILLING CO 5434 FM 1488 PO Box 1889 Conroe TX 77305 409-273-1480
TMBR DRILLING INC PO Drawer 10970 Midland TX 79702 915-563-1927
TWT EXPLORATION INC PO Box 1329 Park City UT 84060 801-649-8212
TAHOE DRILLING CO 4402 W Industrial Midland TX 79703 915-697-4173
TAYLOR DRILLING CO PO Box 597 Chehalis WA 98532 206-748-3445
TESORO DRILLING CO PO Drawer 2909 Laurel MS 39440 601-425-1481
TEXAS DRILLING CO PO Box 240 Abilene TX 79604 915-673-5024
TEXZONA DRILLING CORP 21 Windmill Circle PO Box 6127 Abilene TX 79608 915-695-4963
THEISS DRILLING CO 1331 Oakhurst Wichita Falls TX 76302 817-766-0763
THOMAS DRILLING CO PO Box 400 Duncan OK 73533 405-252-5580
THOMPSON DRILLING CO 4 Corporate Dr Ste 102 Newport Beach CA 92660-7988 714-644-9292
THUNDERBOLT DRILLING INC PO Box 129 Winnsboro TX 75494 214-342-5221
TIERRA DRILLING CORP PO Box 3469 Midland TX 79702 915-694-9553
TOLTEK DRILLING CO 340 Denver Club Bldg Denver CO 80202 303-571-1331
TOMMY'S OILWELL DRILLING INC PO Box 899 Graham TX 76046 817-549-6960
TOP DRILLING INC 2601 NW Expy Ste 101E Oil Center Oklahoma City OK 73112-7138 405-848-4414

T (Cont'd)

TOWER DRILLING CO 14 Inverness Dr East Bldg H Suite 228 Englewood CO 80112 303-790-2222
TRANSCONTINENTAL DRILLING INC DENVER DIV Anaconda Tower Ste 2700 Denver CO 80220 303-837-9996
TRANSCONTINENTAL DRILLING INC JACKSON DIV 1700 Capital Towers Jackson MS 39201 601-355-1542
TRANSCONTINENTAL DRILLING INC MAGNOLIA DIV Magnolia AR 71753 501-234-5011
TRANSCONTINENTAL DRILLING INC SAN ANGELO DIV 3184 Executive Dr San Angelo TX 76903 915-653-3324
TRI-LAND DRILLING CO PO Box 18605 Oklahoma City OK 73154 405-528-1463
TRI-SERVICE DRILLING CO PO Drawer 70 Midland TX 79702 915-684-6641
TRIAD DRILLING Div UGI Development Co Grand Centre Bldg Ste 310 5400 N Grand Blvd Oklahoma City OK 73112
TRIGG DRILLING CO PO Box 18605 Oklahoma City OK 73154 405-528-4456
TRUE DRILLING CO PO Drawer 2360 Casper WY 82602 307-237-9301
TUCKER DRILLING CO PO Box 1876 San Angelo TX 76901 915-655-6773
TWIN ARROW INC Box 948 Rangely CO 81648 303-675-8226

U

U R C DRILLING CORP 4141 Northwest Expy Oklahoma City OK 73116 405-842-1039
UNDERWATER GAS DEVELOPERS LTD PO Box 428 Port Colborne Ontario L3K 1B7 Canada 416-894-1731
UNDERWOOD OIL WELL SERV INC Ouachita National Bank Bldg Ste 808 Monroe LA 71201 318-388-0385
UNION DRILLING INC PO Drawer 40 Buckhannon WV 26201 304-472-4610
UNIT DRILLING & EXPL CO 1101 Petroleum Club Bldg Tulsa OK 74119 918-582-9595

V

VAUGHN GOOD DRILLING INC PO Box 3744 Enid OK 73702 405-233-3899
VECO DRILLING INC 2457 Industrial Blvd PO Box 1705 Grand Junction CO 81501 303-242-6912
VENTURE DRILLING CO 848 E Main PO Box 1353 Cushing OK 74023 918-225-3269
VERNA CORP PO Box 952 Odessa TX 79760 915-381-6910
VI-ROI DRILLING CO PO Box 1624 Duncan OK 73533 405-255-9750
VIERSEN & COCHRAN DRILLING CO PO Box 19227 Oklahoma City OK 73144 405-681-6611
VISTA DRILLING CO 700 American Tower Shreveport LA 71101 318-227-8342

W

W E K DRILLING CO PO Box 1498 Roswell NM 88201 505-623-5070
W E S CORP PO Box 1329 Park City UT 84060 801-640-8212
W W CORP 220 N Main St Madisonville KY 42431 502-821-0087
EARL F WAKEFIELD INC 300 W Douglas Ste 500 Wichita KS 67202 316-264-2366
WARREN INTERSTATE DRILLING CO 906 Utica Tower Tulsa OK 74104 918-749-8361
WARRIOR DRILLING CO 5801 N Broadway Ste 200 Oklahoma City OK 73118 405-840-1783
WEAL DRILLING CO PO Box 249 Hanson KY 42413-0249 502-322-3302
WES-MOR DRILLING INC PO Box 1269 Graham TX 76046 817-549-3383
WES-TEX DRILLING CO PO Box 3739 Abilene TX 79604 915-677-9121
WESTBURNE DRILLING INC 999-18th St #1860 PO Box 13079 Denver CO 80201 303-623-8800 303-298-8800
WESTERN WELL DRILLING INC 11299 Brighton Rd Henderson CO 80640 303-288-2247
WEST WIND DRILLING CO 1675 Broadway Ste 2260 Denver CO 80202 303-571-0215
WHEATSTATE OILFIELD SERVICES INC PO Box 329 Pratt KS 67124 316-672-7514
WHELESS DRILLING CO 920 Commercial National Bank Bldg Shreveport LA 71101 318-222-3137
WHITE & ELLIS DRILLING INC 401 E Douglas Ste 500 Wichita KS 67202 316-263-1102
E E WHITEHEAD DRILLING CONTR PO Box 1255 Drumright OK 74030 918-352-2230
WILCOX DRILLERS INC PO Box F F Natchez MS 39120 601-446-5021
WILLBROS DRILLING INC FM 1788-2 mi S I-20 PO Box 833 Rte 6 Midland TX 79701 915-563-0221
WILLIAMS DRILLING CO 1300 Main St Ste 1530 Houston TX 77002 713-652-9106
WILLIAMS DRILLING CO OF SOUTH TEXAS PO Drawer 3050 Alice TX 78333 512-668-9867
WILLIS DRILLING CO PO Box 479 Edinburg TX 78539 512-383-3888
WILSON BROS DRILLING CO 217 E Kaliste Saloom Rd PO Drawer 53628 Lafayette LA 70505 318-233-5950
LES WILSON INC PO Box 331 Carmi IL 62821 618-382-5091
WINTER DRILLING & EXPLORATION CO Rte 1 Box 11-A Nowata OK 74048 918-273-1874
WOOLF & MAGEE INC PO Box 6566 Tyler TX 75711 214-561-4051
WYOMING WELL SERV INC PO Box 340 Cody WY 82414 307-587-4249

Y

YOUNG DRILLING CO Bloomfield Hwy PO Box 717 Farmington NM 87401 505-327-5218

Z

ZENITH DRILLING CORP Fourth Financial Center Ste 505 Wichita KS 67202 316-265-6697

U.S. Contract Rotary Land Drilling Rigs

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.

ALABAMA

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
JHJ Drlg	3	d-s	1600	S/B NE12A	2000	250
Penrod Drlg	6	dsl	3425	Nat 1625M6	2200	300
	7	dsl	3425	Nat 1625M6	2200	300
	9	dsl	2600	Nat 1320M	3425	250
	19	dsl	2600	Nat 1320M	3425	250
	106	dsl	1575	Nat 80B	1760	150
BALDWIN						
Exeter Drlg Southern	16	dsl	2600	G-D 1500	2600	250
Underwood Oil Well Serv	12	dsl	350	S/B N3	350	40
CHOCTAW						
Bailey Drlg, Pernie	3	dsl	2000	S/B N12		180
Justiss Oil	11	dsl	1200	C-E GB800	1600	140
SEE Land Drlg	11	dsl	945	C-E SDR	500	90
CLARKE						
Chesley Pruet Drlg	14	dsl	3600	G-D 1500M	3600	250
CONECUH						
JHJ Drlg	1	d-s	1300	S/B NE95A	1700	200
ESCAMBIA						
Bay Drlg	2	dsl	2500	Nat 110M	2500	200
Culver Drlg	20	dsl	2000	Nat 1320	2000	250
Delta Drlg	93	d-s	2000	C-E D3 Type II	2592	160
Dual Drlg	22	dsl	2700	Nat 1320M	2000	280
Exeter Drlg Southern	26	dsl	2500	Nat 95	2500	175
GREENE						
Resource Drlg	10	dsl	2330	Nat 110	2740	180
HALE						
Crescent Drlg	7	dsl	1200	Beth Toro	1200	120
LAMAR						
Apollo Drlg Inc	1	dsl	500	Nat 370	550	105
	5	dsl	500	Nat 370	550	105
Lohmann Drlg	8	dsl	300	Nat 32	550	75
	9	dsl	300	Nat T12	300	35
MOBILE						
Exeter Drlg Southern	27	dsl	2800	G-D 1500	2800	250
Noble Drlg	25	el	3300	Nat 1625DE	3135	300
Raped Drlg	3	d-e	4000	G-D 1500E	2000	250
Resource Drlg	RD-22	dsl	3105	Nat 1320	3740	250
MONROE						
JHJ Drlg	2	dsl	1300	S/B NE95A	1700	200

ALASKA

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
Alaska United Drlg	WWS-1	d-e	1000	Oiwl 700E	700	100
	1	d-e	2000	Oiwl 840E	1500	180
	2	d-e	3200	Oiwl 2000	2000	200
	3	d-e	3200	Oiwl 2000E	2000	200
ANCHORAGE						
Nabors Alaska Drlg	28-E	d-e	2000	C-E Electrohoist IIC	3700	250
Parker Drlg	122	dsl	1800	OIME SL1500	1800	180
Rowan Drlg	33	d-e	1600	Nat 1320UE		200
KENAI						
Rowan Drlg US	29	dsl	1850	Nat 110	2400	200
NORTH SLOPE						
Nabors Alaska Drlg	17	dsl	2000	Oiwl 860	2475	190
	1-ES	d-e	500	C-E Electrohoist CII	2400	200
Parker Drlg	95	dsl	2600	Nat 130	3000	180
	96	dsl	2600	Nat 130	3000	200
	97	dsl	1400	Nat 80B	1400	150
	123	dsl	1800	OIME SL1500	1800	180
	128	dsl	1400	OIME TBA2000	1400	150
	141	dsl	2700	OIME E2000	3000	180
	147	dsl	1400	OIME TBA2000	1400	150
	178	d-e	3200	OIME 2000E	2000	200

ALASKA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
NORTH SLOPE (Cont'd)						
Parker Drlg	191	dsl	3200	OIME 3000E	3000	200
Rowan Drlg US	26	dsl	2000	Nat 110	1590	180
	34	d-e	2000	Nat 110EH Special	3000	170
	35	d-e	2000	Nat 110EH Special	3000	170
	41	dsl	3200	Nat 1320UE	3300	250
PRUDHOE BAY						
Nabors Alaska Drlg	25	dsl	2000	Nat 110	2475	200
	18-E	d-e	2000	C-E Electrohoist	3200	250
	22-E	d-e	3200	C-E IIC Electrohoist	3200	250
	26-E	d-e	3200	C-E Electrohoist	4000	250
	27-E	d-e	3200	C-E Electrohoist	4000	250

ARKANSAS

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
Excell Drlg	3	dsl	400	Fail 100	400	55
COLUMBIA						
Justiss Oil	9	dsl	800	C-E GC500	1200	125
	21	dsl	800	C-E GB500	1000	120
Noble Drlg	E553	dsl	800	C-E A550	800	120
Nowotny & Conley Drlg	4	dsl	1600	Nat 610	800	130
Sawyer Drlg & Serv	9	dsl	800	S/B N45-M	800	100
SH & J Drlg	1	dsl	807	Crdw O	800	100
	2	g-b	885	S/B N7	750	95
	3	dsl	807	Unit 34	350	73
Transcontinental Drlg-Magnolia	4	gas	700	C-E GB500	700	95
	7	dsl	1020	Oiwl 76	1020	125
	54	dsl	800	Nat 50A	980	100
CONWAY						
Unit Drlg & Expl	6	dsl	600	MC U15	800	110
CRAWFORD						
Grace Miller Drlg	103	gas	600	Nat 50	600	100
	121	gas		S-H 7000		80
FRANKLIN						
C E C Drlg	3	dsl	1200	G-D 500	800	120
JOHNSON						
Dual Drlg	6	dsl	600	C-E GB350	560	75
	8	dsl	1250	Wils 75	750	95
Grace Miller Drlg	118	dsl	300	MC U34	350	70
	120	gas		S-H 7000		80
LAFAYETTE						
Rogers Drlg, Mike	1	dsl	550	S-H 7000	650	93
Sawyer Drlg & Serv	15	dsl	800	MC U40D	800	140
Transcontinental Drlg-Magnolia	86					
LOGAN						
Grace Miller Drlg	114	dsl	600	Nat 50	600	100
	119	dsl		BDW 650		120
Unit Drlg & Expl	16	dsl	600	MC U15	800	110
MILLER						
Owen Drlg	7	dsl	1100	Idco H35	504	70
Transcontinental Drlg-Magnolia	94					
POPE						
Alexander Drlg	1	dsl	800	MC U34	500	65
	4	dsl	450	W-N 250H40	425	70
C E C Drlg	1	dsl	1100	MC U15	800	100
	4	dsl	1400	G-D 500	800	120
FWA Drlg	6	dsl	900	Wils 75	720	100
	31	dsl	1000	Wils Mogul 42	750	75
Grace Miller Drlg	101	gas	450	Nat 50	450	70
	104	gas	450	Nat 50	450	80
	116	gas	300	S-H 7000	380	75
New Prospect Drlg	1	dsl	950	S/B N48	950	120
SCOTT						
Hanley Drlg	3	dsl	2475	S/B N12A	2475	250
	4	d-e	2600	C-E C2	2000	250

ARKANSAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
SEBASTIAN						
Astro Drlg	19	dsl	912	Wils Super Giant	912	125
	22	dsl	920	Beth M58	920	120
Grace Miller Drlg	105	gas	300	S-H	145	55
	106	gas	900	Nat 75	900	135
	107	gas	450	MC U15	450	85
	109	dsl	1000	BDW 800		150
	111	dsl	350	S-H 5000	300	60
	115	dsl	600	S-H	600	85
	123	dsl		BDW 800		150
Ladrido Drlg	2	dsl	1000	MC U15	1050	120
	3	dsl	1350	MC U15	1050	120
UNION						
Hatcher & Son, H F	3	dsl	425	Wils Mogul 42	350	50
Sawyer Drlg & Serv	2	dsl	400	S/B N4	400	85
Shuler Drlg	1	dsl	325	S/B N4	350	50
	4	dsl	700	C-E GB350	700	85
	6	dsl	950	Wils SG	950	105
	7	dsl	360	S-H 6000	570	60
	8	dsl	475	S-H 7000	540	70
	9	dsl	475	S-H 7000	750	70

CALIFORNIA

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
Cal Pacific Drlg	1	d-e	1200	Sup 700UE	700	100
	2	d-e	1200	Sup 700UE	700	100
	4	d-e	1950	Sup 1000UE	1000	125
	5	d-e	1950	Sup 1000UE	1000	125
	6	d-e	1950	Sup 1000UE	1000	125
	8	d-e	2000	C-E C1Type2	1500	160
Dahlquist Drlg	1	dsl	300	Tomson 3000	250	25
	5	dsl	300	Fail 2000	160	16
Edwards Well Serv	D30	dsl		Idco	300	
Gary Drlg	D-10	dsl	628	Hoop	400	55
Golden State Drlg	D-6	dsl	750	Custom HT	450	55
	D-8	dsl	750	Chal 78	450	55
Hunnicutt Camp Drlg	4	dsl	1400	Oiwl 66	640	110
	5	dsl	960	Idco 525	480	90
Kenai Drlg West Coast	6	dsl	850	C-E J750	800	100
	7	dsl	800	MAC 400	425	70
	8	dsl	825	W-M T5054	425	70
	9	dsl	850	Idco H40D	400	65
COLUSA						
Hunnicutt Camp Drlg	2	dsl	1520	Oiwl 660	880	125
	6	d-e	4000	Nat 110	2200	180
Monterey Drlg	B	d-e	1000	Nat 80B	2000	140
Scandinavian Montgomery Drlg	11	dsl	1500	C-E GB800	1500	120
CONTRA COSTA						
Cleveland Drlg	14	dsl	1200	Oiwl 500	800	120
Monterey Drlg	F	d-s	500	Idco H30E	500	80
FRESNO						
Coastal Drlg	2	dsl	900	Oiwl 52T	550	75
Gary Drlg	D-8	dsl	450	C-E GB160T	400	45
Montgomery Drlg	19					
IMPERIAL						
Cleveland Drlg	6	d-e	2400	Nat 110UE	1500	200
Montgomery Drlg	4	dsl	2000	Oiwl 96	1500	180
KERN						
Atlantic Oil	4	dsl	900	Nat 55	900	100
	5	dsl	680	Nat 50A	680	90
	11	dsl	1350	Nat 80	1350	140
	16	dsl	1850	Nat 130	2475	200
Barnes Core Drlg	711	dsl	750	HT 5500	450	55
Bawden Drlg, Peter (CA)	18	d-e	2300	Nat 110M	1500	160
Brinkerhoff-Signal	F	g-b	1000	G-D 800	1000	140
California Prod Serv	M-17	dsl	300	Crdw K200C	308	40
	M-70	dsl	446	Idco H35CKD	424	40
	M-71					
Cardinal Drlg	27	dsl	1200	C-E GC500	1200	125
	29	dsl	800	C-E GA500	1200	100
Cleveland Drlg	2	dsl	600	S/B RR400	450	50
	3	d-e	2000	Nat 100	1500	180
	4	dsl	1200	Nat 75CA	800	120
	7	dsl	1000	Nat 75	800	120
	8	dsl	800	Idco 750	700	100
Coastal Drlg	7	dsl	2000	C-E J750	825	115

• Contractor	Rig No. •	Type Power •	Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •
CALIFORNIA (Cont'd)						
KERN (Cont'd)						
Gary Drlg	D-11	dsl	600	C-E C50	600	80
	D-12	dsl	382	C-E GB160T	300	45
	D-13	dsl	450	C-E GB16T	300	40
	D-2	dsl	800	Nat T45	600	90
	D-3	dsl	628	C-E G350	600	80
	D-30	dsl	300	Idco 35		
	D-4	dsl	475	C-E GB160T	450	45
	D-5	dsl	382	Hoop GT34	300	25
	D-6	dsl	800	C-E GB160T	400	45
	D-9	dsl	628	Cbot	400	55
	1	dsl	450	Hoop	400	50
	14	dsl	800	Gary	640	90
	15	dsl	800	Gary	640	90
Golden State Drlg	D-10	dsl	750	Custom HT	450	55
Hylton Drlg	1	dsl	400	Nat T12	300	40
	4	dsl	380	HT MR10	150	30
	5	dsl	380	Idco H30	300	50
	7	dsl	300	Nat T12	380	40
	8	dsl	380	Idco H30	300	50
	9	dsl	400	Idco H30	300	50
K B Drlg & Prod	7			Coop		
Kellogg & Sons, K L	41	d-e	1000	Nat Con 75CA	700	110
Kenai Drlg West Coast	29	dsl	900	Wils Giant	1200	120
Loffland Bros	64	d-e	1290	MC U36EA	1200	100
	92	d-e	2160	MC U914CE	2200	180
	98	d-e	2000	MC U40E	1600	130
	125	d-e	2180	MC U914	2200	180
	185	gas	1600	MC U914C	1900	180
	328	dsl	2160	Nat 130	2400	220
Marlin West	Marlin 11	d-e	2000	Nat 110	1600	180
	Marlin 12	d-e	2000	Nat 110	1600	180
	13	d-e	2000	Nat 110UE	1600	180
Montgomery Drlg	3					
	6	dsl	1400	C-E GB800	1200	130
	8					
	9					
	12	dsl	2000	C-E GB800	750	120
	14	dsl	1200	Otwl 66	700	105
	15	d-e	2000	Nat 75CB	1000	140
	16					
	18					
NECK Drlg	1	gas	350	Wils Super	350	40
Pyramid Oil	3	dsl	400	Idco H30	300	30
Republic Drlg	21	dsl	2100	Nat 55	1200	120
Scandinavian Montgomery Drlg	3	dsl	1200	Nat 75	700	120
	8	dsl	1200	Nat 75	700	120
KINGS						
Montgomery Drlg	10					
Scandinavian Montgomery Drlg	9	d-e	2200	Nat 1320UE	3000	220
LAKE						
Brinkerhoff-Signal	81	d-e	2170	Otwl 760E	2100	160
Loffland Bros	25	d-e	2160	MC U914CE	2200	180
	50	d-e	1420	MC U712A	1600	170
Montgomery Drlg	17	d-e	2000	Otwl 940E	2000	200
LOS ANGELES						
Atlantic Oil	3	dsl	640	Idco H40	370	75
Bawden Drlg, Peter (CA)	22	d-e	700	C-E M58	800	100
	38	d-e	1800	Otwl 940E	1500	160
Big Chief Drlg	18	dsl	500	Hoop GJXTA	450	60
Brinkerhoff-Signal	90	dsl	4000	G-D 1500E	2000	250
California Prod Serv	D-3	dsl	300	Idco H37D	461	45
	D-4	dsl	500	Hoop MTA	461	45
Cleveland Drlg	1	dsl	1200	Otwl 96	1200	180
Gary Drlg	D-14	dsl				
	D-7	dsl	381	Gary	200	20
Kellogg & Sons, K L	40	d-e	1000	Nat 610	700	110
Kenai Drlg West Coast	24	d-e	1500	Wils Titan	1000	130
	30	dsl	975	Idco H40D	400	65
Monterey Drlg	C	d-e	1000	Nat 100ME	1500	160
Montgomery Drlg	1	d-e	3200	Nat 1320UE	3645	250
Republic Drlg	11	dsl	636	Idco H30	318	35
	16	dsl	636	Idco H35	318	40
	22	dsl	1900	MC U36A	950	100
Thompson Drlg	2	dsl	900	C-E GA250T	450	100
MONO						
Republic Drlg	6	dsl	636	Idco H40	475	55
MONTEREY						
Melton Drlg	3	dsl	500	C-E 160	350	40
ORANGE						
Atlantic Oil	2	dsl	1200	Nat 55	1260	110
	8	dsl	1000	Nat T32	370	75
California Prod Serv	D-7	dsl	1000	Hoop MTA	654	65
	M-72	dsl	500	Idco H35CKD	424	40
	M-73	dsl	370	Idco H35CKD	424	40
Republic Drlg	17	dsl	1100	Cbot 1287	636	70

• Contractor	Rig No. •	Type Power •	Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
CALIFORNIA (Cont'd)						
SACRAMENTO						
Hunnicutt Camp Drlg	3	dsl	1400	Nat CA50	640	105
Owens Serv, Jack	2	dsl	200	Idco H38	350	40
SAN LUIS OBISPO						
NECK Drlg	2					
SANTA BARBARA						
Atlantic Oil	10	dsl	1020	Nat T32	370	75
Bawden Drlg, Peter (CA)	27	d-e	1500	C-E A550E	1000	120
	50	d-m	1500	Nat 55	700	110
Kenai Drlg West Coast	4	dsl	978	Idco H40D	400	70
	5	dsl	1000	Nat T32	400	75
	34	dsl	975	C-E GB350	800	90
SOLANO						
Atlantic Oil	15	dsl	1020	Nat T32	340	75
Cleveland Drlg	5	dsl	2400	Idco Super 711E	1800	180
Hunnicutt Camp Drlg	1	dsl	950	Nat T32	320	90
Loffland Bros	232	dsl	1000	MC U15	1000	120
Monterey Drlg	A	d-e	1000	Idco 1040E	2000	180
Montgomery Drlg	7	dsl	1200	Nat 75	700	110
	43	e-s	2000	Nat 110UE	2000	200
Owens Serv, Jack	4	dsl	300	Idco H35	318	40
	5	dsl	300	Idco H25	300	40
	8	dsl	1800	RMI 750	870	100
SONOMA						
Brinkerhoff-Signal	83	d-e	2000	C-E D3	2000	160
	87	dsl	2000	Nat 80UE	2000	260
Coastal Drlg	1	dsl	550	Crdw KM250	250	55
Loffland Bros	27	d-e	2160	MC U20	2200	170
	105	d-e	2160	MC U914EC	2200	180
	306	gas	1150	S/B N95	1300	170
SUTTER						
Cleveland Drlg	11	dsl	1000	Coop D50	400	75
	12	dsl	1500	Otw. 66	700	120
Owens Serv, Jack	6	dsl	300	Idco H35	300	40
VENTURA						
Bawden Drlg, Peter (CA)	10	d-e	2300	Otwl 940E	1500	180
	11	d-e	1600	C-E A800WE	1000	140
	24	d-e	1550	Nat 80E	1000	140
Cal Pacific Drlg	3	d-e	1200	Sup 700UE	700	100
	7	d-e	950	Sup 700UE	700	75
Gary Drlg	D-16	dsl				
Loffland Bros	16	dsl	1900	MC U914C	2000	180
	212	gas	2000	MC U914A	1600	180
	217	gas	1600	MC U914C	1900	180
Monterey Drlg	D	d-s	700	S/B N75	700	100
Montgomery Drlg	2	d-e	2000	Otwl 940E	3000	180
Republic Drlg	20	dsl	2400	S/B N95	1800	180
YOLO						
Atlantic Oil	6	dsl	810	Nat 80	1680	140
	7	dsl	1020	Nat T32	450	75
	12	dsl	850	Nat 50A	680	90
	14	dsl	1020	Idco H		65
Bawden Drlg, Peter (CA)	23	d-e	1700	C-E A800WE	1000	140
Owens Serv, Jack	7	dsl	1100	Coop 350	450	75
COLORADO						
UNDESIGNATED						
Bow Island Drlg	37	dsl	278	W-N 2000	175	30
	38	dsl	278	W-N 2000	175	30
Excell Drlg	4	dsl	230	Ewb M75	230	20
Tierra Drlg	16	dsl	650	S/B 4610	750	75
ADAMS						
Allison Bros Drlg	1	dsl	320	Idco BIR800	920	100
	2	dsl	360	Crdw KB500	380	75
Exeter Drlg Northern	6	dsl	330	Nat T20	300	60
Western Well Drlg	3	dsl	350	Fail	350	40
ARAPAHOE						
Gibson Well Serv, J W	98	dsl	700	Sup	700	100
BACA						
Cheyenne Drlg	1	dsl	450	Otwl 52T	525	65
H30 Drlg	8	dsl	600	Idco H40	600	100
Wakefield, Earl F	7	dsl	640	C-E GB160T	640	50
BOULDER						
Tower Drlg	2	dsl	1000	Troy 600	600	100

• Contractor	Rig No. •	Type Power •	Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
COLORADO (Cont'd)						
CHEYENNE						
Murfin Drlg	19	dsl	525	Wils Super Mogul 42	525	65
	23	dsl	375	Idco H35S	475	65
Service Drlg (TX)	10	dsl	300	MC	400	50
DOLORES						
Nicor Drlg	36	dsl	1150	G-D 500	650	110
GARFIELD						
Manning, R L	19	dsl	925	Beth M58	980	100
Nicor Drlg	38	dsl	750	Wils 75	640	90
HUERFANO						
Nicor Drlg	44	d-e	1500	G-D 500E	650	110
JACKSON						
Atco Drlg	20	dsl	800	C-E GB500	800	100
KIOWA						
Murfin Drlg	25	dsl	600	Nat 370	600	75
KIT CARSON						
Murfin Drlg	22	dsl	600	Nat 370	600	75
LA PLATA						
Arapahoe Drlg	4	g-b	700	Nat 50A	500	120
Aztec Well Serv	124	dsl	600	Wils 75	1100	100
Four Corners Drlg	4	dsl	1500	Crdw KB500	700	80
LINCOLN						
Eagle Drlg	2	dsl	1000	Nat T45	725	95
Murfin Drlg	14	dsl	400	Nat T45	700	85
	26	dsl	475	S/B N42	580	100
	27	dsl	475	S/B N46	580	100
MESA						
Loffland Bros	12	dsl	840	Idco Hydrair H44CSC	868	100
Nicor Drlg	39	dsl	820	Nat D300	260	55
Veco Drlg	1	dsl	400	Fail 90	400	50
	2	dsl	425	May 5000	500	70
	5	dsl	1400	OIME 750	950	110
	6	dsl	1400	OIME 750	950	110
MOFFAT						
Manning, R L	20	dsl	1050	C-E J1000	1290	140
MONTEZUMA						
Coleman Drlg	1	dsl	900	Idco H44	636	80
Dual Drlg	34	d-e	2000	C-E D3	1000	160
Loffland Bros	26	d-e	2000	MC U36	1600	110
	29	d-e	1400	MC U36A	1600	110
MONTROSE						
Loffland Bros	5	dsl	1220	Idco H1000	868	120
MORGAN						
Allison Drlg	15	dsl	720	S/B N7	720	100
	25	gas	435	G-D 500	435	100
Exeter Drlg Northern	13	dsl	350	S/B N4	300	60
Toltek Drlg	2	dsl	680	Nat 50A	875	105
PROWERS						
Murfin Drlg	12	dsl	400	Beth C50	600	80
RIO BLANCO						
All Western Drlg	3	dsl	1050	MC U15	840	100
	4	dsl	1500	Sup 700	750	100
Anderson-Myers Drlg	7	dsl	1200	Nat 55	1400	130
Cardinal Drlg	2	dsl	864	C-E GA500	760	100
	4	dsl	560	C-E GB350T	760	85
Kenai Drlg West Coast	3	dsl	600	Otwl 52T	700	95
Manning, R L	11	dsl	720	Nat 370	720	85
Nicor Drlg	37	dsl	965	Fail LC90	340	50
Parker Drlg	56	dsl	1000	OIME SD5	1000	125
Twin Arrow	309	dsl		S/B	575	60
Veco Drlg	3	dsl	850	MC U36A	700	90
	8	dsl	900	S/B 45	750	100
ROUTT						
Atco Drlg	5	dsl	326	Nat T32	326	75
	18	dsl	326	Nat T32	326	75
Brinkerhoff-Signal	79	dsl	550	Nat 370	800	85
Nicor Drlg	43	d-e	1500	G-D 500E	650	110
WASHINGTON						
Allison Drlg	3	dsl	360	Crdw KB500	380	75
Toltek Drlg	4	dsl	440	MC U31	440	75
WELD						
Allison Bros Drlg	7	dsl	475	Idco BIR800	950	100
Exeter Drlg Northern	1	dsl	500	Nat 50A	750	95
	2	dsl	375	C-E GA250	480	75

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •	
COLORADO (Cont'd)							
WELD (Cont'd)							
Exeter Drlg Northern	4	dsl	375	Nat T32	480	78
	5	dsl	300	MC U34D	300	60
	12	dsl	500	Nat T45	750	95
	14	dsl	375	Beth C50	600	78
	22	dsl	500	MC U15	750	95
	23	dsl	500	MC U15	750	87
	25	dsl	375	MC U15	500	85
	33	dsl	500	MC U15	750	85
	40	dsl	500	MC U15	750	95
Gibson Well Serv, J W	75	dsl	450	Crdw K8500	450	80
Rio Grande Drlg	26	dsl	750	S/B N75	1030	145
Toltek Drlg	3	dsl	680	S/B N4A	440	85
Tower Drlg	1	dsl	550	Mac 400	400	85
	3	dsl	600	S/B N45	500	90
True Drlg	19	dsl	1000	Nat 50A	1000	120
	26	dsl	900	Idco H725SC	900	100
	27	dsl	900	Idco H725SC	900	100
YUMA							
Excell Drlg	2	dsl	375	671 GMC	210	33
Western Well Drlg	1	dsl	350	Midway 2000	350	25
FLORIDA							
UNDESIGNATED							
Penrod Drlg	15	dsl	3000	G-D 2100	2200	300
	108	dsl	1000	Nat 80B	1760	150
ESCAMBIA							
Tesoro Drlg	2	dsl	2600	Nat 1320M	2742	200
LEE							
SEE Land Drlg	14	dsl	1500	RMI	1000	150
OKALOOSA							
Murco Drlg	18	dsl	2800	MC U1220	2400	250
SANTA ROSA							
Delta Drlg	66	d-e	2600	C-E Electrohoist II	3456	180
Murco Drlg	14	d-s	3200	G-D 1500	2800	250
GEORGIA							
CAMDEN							
Noble Drlg	E1102	dsl	1870	C-E A1100	1870	180
IDAHO							
BEAR LAKE							
Atco Drlg	9	d-e	2500	Nat 11OUE	2500	200
Parker Drlg	169	dsl	1650	OIME SL1000P	1650	200
BONNEVILLE							
Rio Grande Drlg	5	dsl	1300	Nat 110	2400	200
CARIBOU							
Loffland Bros	57	d-e	1800	Nat 80B	2000	160
ILLINOIS							
BROWN							
Ram Drlg	2	dsl	1800	Nat T12	1800	50
	3	dsl	360	Nat T12	360	40
CLAY							
Precision Expl	4	dsl	400	Nat T20	400	55
Wilson Inc, Les	15	dsl	500	Idco H35	400	50
EDWARDS							
Beard Drlg (IL)	1	dsl	400	Nat T12	350	45
Davis Drlg, D L	1	dsl	300	Wils Mogul 38	300	35
Precision Expl	3	dsl	400	Nat T16	400	55
Smith Drlg	3	dsl	375	S/B N4	500	60
FAYETTE							
Smith Drlg	7	dsl	450	G-D 2500	350	35
	8	dsl	350	Chal M280	360	45
	12	dsl	450	Chal M320	400	50
GALLATIN							
Gallagher Drlg	4	dsl	500	Beth S45E	475	60
JASPER							
Mitchell Drlg, Geo N	4	dsl	400	S/B N4	400	60
Precision Expl	1	dsl	400	Nat T20	400	55

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •	
ILLINOIS (Cont'd)							
JEFFERSON							
Mitchell Drlg, Geo N	5	dsl	400	S/B N4	400	60
LAWRENCE							
Smith Drlg	6	dsl	800	S/B N45M	750	100
MARION							
Smith Drlg	11	dsl	450	Nat T20	480	60
RICHLAND							
Precision Expl	2	dsl	400	Nat T20	400	55
SALINE							
Mitchell Drlg, Geo N	7	dsl	400	Idco H35	400	65
Ram Drlg	1	dsl	1600	Idco HD35	1800	60
WABASH							
Smith Drlg	2	dsl	350	Nat T8	238	25
WASHINGTON							
Oelze, Elmer Jr	1	dsl	475	Lee 650	475	85
	2	dsl	475	W-N 25040	380	60
	3	dsl		W-N S34A	160	50
	4	gas		Crdw HL	140	40
WAYNE							
Barr Drlg	1	dsl	378	Nat T12	300	50
Mitchell Drlg, Geo N	6	dsl	400	Wils Super 38	400	60
Precision Expl	5	dsl	400	Nat T12	385	45
Smith Drlg	9	dsl	320	Nat T12	320	40
WHITE							
Harris Drlg	1	dsl	500	Nat T12	360	40
	4	dsl	500	Nat 50	360	60
Mitchell Drlg, Geo N	1	dsl	400	Beth SN45	400	60
Ram Drlg	4					
Royco Drlg	1	dsl	300	Crdw	335	55
Snyder Drlg Well Serv	1	dsl	400	S/B 55	400	65
	2	dsl	400	Beth 545	400	60
Wilson Inc, Les	11	dsl	300	Idco H35	450	50
	12	dsl	500	Idco H35	400	50
	17	dsl	500	Idco H37	550	60
INDIANA							
UNDESIGNATED							
Big Seven Drlg	7	dsl	450	C-E GB250	400	60
POSEY							
Kendall Drlg	2	dsl	450	S/B N4	350	55
Lohmann Inc, J Roy	6	dsl	600	Nat 50	600	65
Mitchell Drlg, Geo N	9	dsl	600	G-D 500M	600	100
Smith Drlg	4	dsl	400	C-E GA150	350	50
SPENCER							
J-V Drlg	6	dsl	145	Speedstar SS15S	145	16/ 3.5"
VANDERBURGH							
J-V Drlg	9	gas	85	Cbot F	85	900/ 2.88"
WARRICK							
Gwaltney Drlg	1	dsl	300	Nat T12	225	30
KANSAS							
UNDESIGNATED							
Carter Land & Cattle	1	dsl	250	G-D 1000	350	10
	2	dsl	250	G-D 1000	350	10
Rine Drlg	6	gas	700	S/B N75	750	120
	9	dsl	1000	G-D 800	1000	135
BARBER							
Dunne-Gardner Petr	2	dsl	400	Idco H35	450	70
Graves Drlg	1	dsl	300	S/B N4	400	60
H30 Drlg	77	dsl	525	Idco H40	600	80
Sweetman Drlg	1	dsl	750	Nat 370	750	90
BARTON							
Abercrombie Drlg	11	dsl	600	C-E 350	700	75
Allen Drlg	1	dsl	400	Nat T32	425	60
	3	dsl	525	Idco H30	425	50
Big Springs Drlg	3	dsl	450	S/B N4	450	50

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •	
KANSAS (Cont'd)							
BARTON (Cont'd)							
Damac Drlg	7	dsl	385	S/B N4	385	60
Duke Drlg	3	dsl				
Husky Drlg	2	dsl	350	Idco H35	650	80
H30 Drlg	7	dsl	280	MC Mac400	312	80
L D Drlg	1	dsl	410	Beth S45A	300	45
Lauck Oil, D R	2	dsl	350	S/B N45	400	60
Peters Drlg	4	dsl	250	Crdw RL	250	60
	8	dsl	250	Crdw DB200	250	60
Red Tiger Drlg	4	dsl	700	Idco H35	700	55
Rockhold Engr	7	gas		W-N	200	
Wheatstate Oilfield	3	dsl	340	C-E 250	425	50
	4	dsl	525	C-E GB180	525	40
BUTLER							
Brandt Drlg	3	dsl	350	W-N R4	330	35
Edco Drlg	3	dsl	125	Crdw J101	235	750
Range Drlg	1	dsl	360	Cbot SAL4500	440	35
White & Ellis Drlg	3	dsl	345	Nat T12	345	45
	4	dsl	300	C-E GA250	300	50
	5	dsl	300	C-E GA150	475	40
CLARK							
Sage Drlg	7	dsl	400	BDW 450	400	90
White & Ellis Drlg	9	dsl	410	S/B N46	750	105
COMANCHE							
Aldebaran Drlg	2	dsl	525	Nat T32	500	72
COWLEY							
Edco Drlg	6	dsl	375	Crdw KB150	435	35
McAllister Drlg	9	dsl	300	Idco H30	300	55
Range Drlg	2	dsl	350	Wils Giant	350	55
	3	dsl	350	MC U10A	350	55
White & Ellis Drlg	7	dsl	300	MC U34	475	40
DECATUR							
Big Springs Drlg	1	dsl	360	Beth S4513	360	50
EDWARDS							
Lauck Oil, D R	1	dsl	350	MC U15	400	60
Rains & Williamson Oil	2	dsl	450	Olwl 52-T	450	67
Sterling Drlg (K3)	2	dsl	350	MC RV34B	265	48
	4	dsl	450	MC U15	265	50
White & Ellis Drlg	2	dsl	425	C-E GA250	475	45
ELK							
Edco Drlg	1	dsl	375	Sullivan 300A	318	30
ELLIS							
Abercrombie Drlg	5	dsl	365	Beth S50	365	55
Buffalo Drlg Co	7	dsl	360	S/B N4	460	55
Buffalo Drlg Inc	1	dsl	500	S/B N4	400	60
Jay-Lan Corp	3	dsl	3408	Wils 42	825	50/ 5"
KANDRILCO Inc	1	dsl	375	C-E GA250T	475	55
Rains & Williamson Oil	7					
Red Tiger Drlg	9	dsl	700	MC U10	700	60
	10	dsl	700	T5M 6000	700	70
ELLSWORTH							
Duke Drlg	1	dsl	375	MC	375	50
White & Ellis Drlg	10	dsl	410	Beth S45E	410	50
FORD							
Eagle Drlg	1	dsl	600	Nat 370	650	70
Freeman Drlg	1	dsl	525	Idco H40	600	85
Leben Drlg	7	dsl	500	G-D 3000	500	70
GOVE							
Beredco	3	dsl	500	MC U15	800	75
Bergman Drlg	1	dsl	350	C-E	350	55
DNB Drlg	2	dsl	500	Nat T32	525	65
Rains & Williamson Oil	11	dsl	300	S/B	500	45
Slawson Drlg	5	dsl	360	Idco H525	480	75
GRAHAM							
Abercrombie Drlg	7	dsl	385	MC J34	385	50
Farmer, John O	4	dsl	400	Idco H30	400	50
H30 Drlg	11	dsl	280	Idco H30	312	55
Murfin Drlg	8	dsl	100	Mac 400	400	60
GREELEY							
Gibson Well Serv, J W	93	dsl	450	Cbot M1287	450	60
GREENWOOD							
Edco Drlg	2	dsl	375	Sullivan 300	375	30
HARPER							
Gabbert-Jones	6	dsl	450	Nat T32	310	60
H30 Drlg	3	dsl	280	Idco H40	312	60
Rains & Williamson Oil	3	dsl	525	Crdw J350	525	67

KANSAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, Rated Depth With 100 ft.
HASKELL						
Damac Drlg	8	dsl	310	Idco H35S	450	75
HODGEMAN						
H30 Drlg	12	dsl	300	Crdw V450	525	65
Pickrell Drlg	10	dsl	370	MC U15	370	55
White & Ellis Drlg	8	dsl	410	C-E 350	750	75
JEFFERSON						
Hamm Drlg	1	dsl	400	W-N Apache	425	60
KEARNY						
Cheyenne Drlg	4	dsl	600	Nat 370	600	85
Sage Drlg	2	dsl	400	Oilwl T52	400	67
KINGMAN						
Aldebaran Drlg	3	dsl	525	Idco	600	72
KANDRILCO Inc	2	dsl	375	MAC 400	475	55
KIOWA						
Abercrombie Drlg	6	dsl	385	Idco H35	385	60
Beredco	2	dsl	525	Nat 370	575	70
Gabbert-Jones	8	dsl	450	Nat T32	450	60
	9	dsl	310	Nat T32	450	60
Pickrell Drlg	1	dsl	450	MC U15	450	65
LANE						
Abercrombie Drlg	1	dsl	385	MC U34	385	50
LOGAN						
Abercrombie Drlg	5	dsl	750	Idco 725	600	100
Aldebaran Drlg	1	dsl	525	S/B N42	600	72
McPHERSON						
Kansas Drlg & Well Serv	5	dsl	750	Crdw KB200C	400	60
MARION						
Berentz Drlg	3	dsl	440	Nat T12	500	38
	4	dsl				/2.88
Kansas Drlg & Well Serv	1	dsl	385	Cbot 1068	300	40
MEADE						
Aldebaran Drlg	4	dsl	550	S/B N42	500	72
Rains & Williamson Oil	5	dsl	400	Idco H40	525	70
MORRIS						
Kansas Drlg & Well Serv	4	dsl	750	KREMCO K600	500	70
MORTON						
Wakefield, Earl F	1	dsl	440	MC U34	440	50
NEMAHA						
Astro Drlg	20	dsl	550	Cbot 550	456	85
Brandt Drlg	1	dsl	350	Beth S50	450	50
Emco Drlg	5	dsl	475	Crdw KB200	375	45
NESS						
Galloway Drlg	1	dsl	300	Nat T32	300	50
OSBORNE						
Rains & Williamson Oil	9	dsl	300	Beth	300	45
Red Tiger Drlg	8	dsl	700	C-E GA250T	700	55
PAWNEE						
H30 Drlg	2	dsl	280	MAC 400	312	60
PHILLIPS						
Red Tiger Drlg	7	dsl	700	C-E GA250T	700	55
POTTAWATOMIE						
McAllister Drlg	10	dsl	300	S/B N4	300	6000
PRATT						
Brandt Drlg	2	dsl	350	Nat 370	600	75
Damac Drlg	1	dsl	310	Wils Giant	310	60
FWA Drlg	32	dsl	600	Wils Mogul 42	375	60
Red Tiger Drlg	6	dsl	700	Idco H35	700	60
Slawson Drlg	2	dsl	360	Idco H35	360	55
Wheatstate Oilfield	1	dsl	340	Idco H35	525	60
	2	dsl	450	Mini-Max 15	450	65
RAWLINS						
Abercrombie Drlg	9	dsl	365	Beth Breeze	365	55
Murfin Drlg	2	dsl	400	Nat T32	400	60
	3	dsl	400	Nat T25	400	60
Stoeppelwerth Drlg	3	dsl	500	Nat 370	500	65
RENO						
Blackstone Drlg	3	dsl	300	BDW 450T	300	50
Heartland Drlg	1	dsl	500	Idco H35S	650	65
H30 Drlg	5	dsl	312	Idco H35	510	65
Red Tiger Drlg	1	dsl	700	MC U15	700	60

KANSAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, Rated Depth With 100 ft.
RICE						
Allen Drlg	4	dsl	360	Nat T20	425	45
Blackstone Drlg	4	dsl		BDW	450T	40
Red Tiger Drlg	3	dsl	700	Idco H35	700	55
Sterling Drlg (KS)	5	dsl	350	C-E GB350	600	70
	8	dsl	350	G-D 2000	250	28
ROOKS						
Abercrombie Drlg	4	dsl	365	Idco H35	365	85
Allen Drlg	5	dsl	525	Nat 370	600	70
Duke Drlg	2	dsl	250	Nat	250	50
Red Tiger Drlg	2	dsl	700	C-E GA250	700	55
Rockhold Engr	3	gas		Crdw RL	150	
RUSSELL						
Red Tiger Drlg	5	dsl	700	Unit U15	700	60
Shields Drlg	2	dsl	300	Beth C50	300	55
Slawson Drlg	1	dsl	360	Idco H35	360	55
SCOTT						
Slawson Drlg	3	dsl	480	Idco H35	480	70
SEDGWICK						
R R A Inc	1	dsl	335	Coop 350	325	65
SEWARD						
Gabbert-Jones	12	dsl	450	S/B N42	525	80
Moran Drlg, E W	24	dsl	920	S-H 7000	450	95
Sage Drlg	5	dsl	400	Nat T32	400	67
Zenith Drlg	2	dsl	600	C-E GB350	600	85
	4	dsl	1100	MC U15	1100	120
	6	dsl	600	C-E GB350	600	85
SHERIDAN						
Dunne-Gardner Petr	1	dsl	350	C-E 250	450	50
Murfin Drlg	15	dsl	400	Idco H35	475	65
Rains & Williamson Oil	1	dsl	525	Beth S45-B	450	55
SHERMAN						
Western Well Drlg	2	dsl	350	Fail H2000	350	35
STAFFORD						
Allen Drlg	2	dsl	350	Idco H25	425	45
J W Drlg	1	dsl	380	MC U15	380	60
Sterling Drlg (KS)	1	dsl	350	MC U34	285	46
STANTON						
Sage Drlg	6	dsl	400	C-E 350	400	85
Zenith Drlg	7	dsl	550	S/B N4	500	70
STEVENS						
Bohannan Drlg, J B	1	dsl	950	Idco 725	750	100
	2	dsl	950	Idco H35SC	550	85
Lanex Drlg	C-8	d-s	1600	BDW 650	650	120
Tierra Drlg	17	d-e	800	BDW 650	650	120
SUMNER						
Aldebaran Drlg	L-1	dsl	500	Idco H35	500	72
Slawson Drlg	4	dsl	6500	Idco H35	360	60
THOMAS						
Murfin Drlg	16	dsl	400	C-E S45E Beth	400	60
	21	dsl	375	Idco H35	475	65
TREGO						
Abercrombie Drlg	10	dsl	365	Cbot Tri Mtd	220	45
	12	dsl	365	Beth Freeze	300	55
Big Springs Drlg	2	dsl	360	Nat T32	360	55
DNB Drlg	3	dsl	450	Nat T20	350	50
Rains & Williamson Oil	4	dsl	400	S/B N4	450	55
WABAUNSEE						
Edco Drlg	4	dsl	125	Davey	235	750
WICHITA						
Sage Drlg	1	dsl	400	Nat T32	400	65

KENTUCKY

UNDESIGNATED						
Big Seven Drlg	11	dsl	360	C-E GB160	335	40
DAVIESS						
Kendall Drlg	3	dsl	450	S/B N4	300	55
HENDERSON						
Crescent Drlg	4	dsl	400	Beth S45	400	40
Gallagher Drlg	7	dsl	350	Nat T20	475	50
Lohmann Inc, J Roy	21	dsl		Nat T12		40

KENTUCKY (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, Rated Depth With 100 ft.
HOPKINS						
Crescent Drlg	8	dsl	400	Beth S45	400	50
W W Corp	1	dsl	450	G-D 3000	450	50
Weal Drlg	1	dsl	325	Nat T12	360	40
	2	dsl	335	Crdw S	335	40
McLEAN						
Kendall Drlg	1	dsl	450	Nat T12	300	400
OHIO						
J-V Drlg	8	dsl	145	Speedstar SS15S	145	18/ 3.5"
UNION						
Gallagher Drlg	5	dsl	300	Nat T12	310	35
Mitchell Drlg, Geo N	8	dsl	400	MAC 300	300	42
WEBSTER						
Royco Drlg	2	dsl	300	G-D 3000	200	50

LOUISIANA

UNDESIGNATED						
CRC Mallard Well	12	dsl	800	Wils 90	800	110
Diamond M Land Drlg	174	dsl	2600	Nat 110M	255u	160
Harris Well Serv	17	dsl	316	Idco H35	316	75
	18	dsl	316	Idco H35	316	75
	19	dsl	316	Idco H35	316	75
	21	dsl	316	Idco H35	316	75
	22	dsl	316	Idco H35	316	75
	23	dsl	316	Idco H37	480	80
	24	dsl	316	Idco H35	316	75
	25	dsl	632	Idco H44	632	100
	27	dsl	316	Idco H35	316	75
	28	dsl	316	Idco H35	316	75
	29	dsl	316	Idco H35	316	75
	31	dsl	316	Coop LTD350	316	75
	32	dsl	316	Idco H35	316	75
	33	dsl	900	Idco H44	900	100
Harris Well Service	34	dsl	600	Cbot 750	900	80
	35	dsl	600	Wils 75	900	100
NL Well Serv	277	dsl				
Penrod Drlg	1	dsl	3425	Nat 1625MH	2200	300
	2	dsl	2600	C-E C2	3425	250
	4	dsl	3425	C-E C3	2200	300
	5	d-e	3425	C-E C3	3200	300
	11	dsl	2600	Nat 1320M	3425	250
	14	dsl	3075	S/B N12A	1840	200
	17	dsl	2600	Nat 1320M	3425	250
	27	dsl	2600	C-E C2	2000	250
	28	dsl	3425	Nat 1320M	2200	250
	29	dsl	3425	Nat 1320M	2200	250
	110	dsl	1800	Nat 1625M	2200	300
	122	dsl	1300	Nat 1625M	2000	250
Willbros Drlg	10	d-s	3000	Idco E1700	3000	250
Williams Drlg	1	d-e	3200	G-D 1500	2000	250
	2	d-e	3200	G-D 1500	2000	250
ACADIA						
American Well Serv & Drlg	15	dsl	1700	S/B DH14610	900	120
Bailey Drlg, Pernie	1	dsl	1500	S/B N75	850	120
	23	dsl	1800	OIME SL7	1400	150
Butler-Johnson	3	g-b	1200	C-E A550	1200	135
Delta Drlg	96	d-e	2800	C-E C1 Type II	3458	200
Grey Wolf Drlg	9	d-e	3000	C-E CZ11	2000	250
	10	dsl	2000	C-E C1	2000	160
Nicklos Drlg	28	d-e	3000	C-E Electrohoist III	3800	250
ALLEN						
Comet Drlg	10	dsl	1700	Cbot 900	900	105
Grey Wolf Drlg	5	d-e	3000	C-E EDA	2000	250
Power Rig Drlg	20	dsl	1850	Idco E900	900	130
ASCENSION						
Loffland Bros	167	dsl	2160	MC U914C	2400	200
Power Rig Drlg	11	dsl	2700	C-E C1	2000	250
ASSUMPTION						
Explorer Drlg	26	dsl	2000	MC U712EA	2730	180
Nicor Drlg	68	dsl	2100	MC U712A	1200	160
Power Rig Drlg	15	dsl	2350	C-E C1 Type III	1950	160
Santa Fe Drlg	120	d-e	3400	C-E C311E	3000	250
Wilson Bros Drlg	11	dsl	2400	Nat 110	2700	200
BEAUREGARD						
Challenger Drlg	21	dsl	900	S/B N75	1000	120
Comet Drlg	14	dsl	2600	G-D 1500	2600	250
Great Southern Oil & Gas	42	dsl	665	Idco	636	100

LOUISIANA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With
BEAUREGARD (Cont'd)							
Grey Wolf Drlg	3	d-e	3000	C-E ECB	2000	250	
Nicor Drlg	81	d-m	900	Idco H40	550	80	
Woolf & Magee	4	dsl	850	Idco H35	500	100	
	6	dsl	850	Idco H35	500	100	
	12	dsl	850	Idco H35S	500	100	
BIENVILLE							
Sawyer Drlg & Serv	14	dsl	540	Duggan DS5	540	95	
BOSSIER							
Butler-Johnson	1	dsl	1900	S/B N85	1900	150	
	4	dsl	1200	S/B N75	1200	125	
	5	dsl	1800	S/B N95	1800	200	
	6	dsl	2000	S/B N85	1900	150	
D B Drlg	18	dsl	1000	Schl SC800	1040	130	
Justiss Oil	27	dsl	700	Beth MC450	900	120	
Murco Drlg	38	d-s	1700	Otwl 660E	700	120	
Remco Drlg	1	dsl	900	Cbot 2042	475	100	
	2	dsl	1200	S/B TR800	800	120	
Transcontinental Drlg-Magnolia	1	dsl	350	C-E GB250T	350	65	
	83	dsl	1000	G-D 800	1000	150	
CADDO							
Bailey Drlg	1	dsl	1700	Cbot 2550	1000	135	
	4	dsl	500	MC U31	350	65	
D B Drlg	28	dsl	1650	C-E EDA	1650	150	
	29	dsl	1100	Nat 75	1100	135	
	30	dsl	1100	Beth 450	1100	129	
Justiss Oil	15	dsl	450	Beth 45E	300	65	
Lagersen Drlg	6	d-e	2000	Idco 2500E	2500	220	
Mosley Well Serv	7	dsl		Cbot	475	100	
Nelson Drlg & Well Serv	1	dsl	600	S-H 7000	600	90	
	2	dsl	1000	S/B N75	1000	130	
Rogers Drlg, Mike	2	dsl	550	S-H 7000	650	93	
Shuler Drlg	5	dsl	325	Beth	350	50/ 3.5"	
Transcontinental Drlg-Magnolia	22	dsl	750	S/B N7	750	110	
Vista Drlg	25	dsl	1000	Idco Super 750	800	125	
	31	dsl	600	S/B N4	400	71	
	33	dsl	1000	S/B N7	1000	120	
Wheless Drlg	1	d-s	3200	C-E C2 Type II	2000	250	
CALCASIEU							
Continental Drlg	3	d-e	2600	Idco E1700	1700	190	
Delta Drlg	31	dsl	2300	C-E C1 Type III	2592	200	
Explorer Drlg	24	dsl	2000	MC U36	800	100	
Glendel Drlg	5	d-e	2000	G-D 1100E	2000	18	
Goldrus Drlg	2	d-e	2000	Otwl E2000	2000	250	
	4	dsl	1200	S/B N75	1040	140	
Grey Wolf Drlg	4	dsl	1500	C-E GB800	800	125	
JHJ Drlg	5	dsl	1000	OIME SL7	1400	170	
Nicor Drlg	72	dsl	2600	Nat 1320M	2000	250	
NL Well Serv	247	dsl	700	Cbot 2042	600	75	
	298	dsl					
CAMERON							
Bailey Drlg, Pernie	6	dsl	3000	Nat 110M	3000	180	
Cliffs Drlg	32	dsl	2600	Nat 110	2475	200	
Comet Drlg	8	dsl	1700	Cbot 1200	1200	135	
	18	d-s	2700	I-R 2550HL	1500	160	
CRC Mallard Well	15	dsl	1300	Wils 90	800	145	
Delta Drlg	82	d-s	3200	C-E C2 Type II	3456	250	
	85	d-s	2900	C-E C2 Type II	3 :56	250	
Goldrus Drlg	15	dsl	1740	Beth M610	1560	160	
Great Southern Oil & Gas	37	dsl	1000	Idco	636	100	
M N D Drlg-Southern	11	d-e	1820	S/B N95	1820	200	
Power Rig Drlg	14	d-s	3200	Idco E2100	4161	250	
	18	dsl	3200	C-E C2	2000	250	
Resource Drlg	17	dsl	1560	Nat 80B	1835	140	
CATAHOULA							
D & D Drlg	2						
Rebel Rig #3 Ltd	3	dsl	500	Idco H30	400	90	
CLAIBORNE							
Exeter Drlg Southern	45	dsl	2000	G-D 700	1000	125	
Sawyer Drlg & Serv	12	dsl	900	Wils Giant	900	120	
Transcontinental Drlg-Magnolia	23	dsl	1000	S/B N75	1000	120	
Wheless Drlg	10	dsl	1800	C-E C13	1800	160	
CONCORDIA							
D & D Drlg	3	dsl	450	S/B N45	500	82	
Energy Drlg	1	dsl	400	Beth S45A	500	90	
	2	dsl	535	Idco H35S	540	95	
Justiss Oil	17	dsl	350	Beth S45E	350	75	
Murco Drlg	58	d-s		Sup 4000E		540	
New Drlg, David	5	dsl	450	S-H 5000	500	70	
Par-Co Drlg	4	dsl	700	Wils 42	500	80	
Wilcox Drillers	5	dsl	700	Beth S45E	550	85	

LOUISIANA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With
DE SOTO							
Sawyer Drlg & Serv	1	dsl	700	S/B N7	700	110	
	10	gas	1200	Whin 1000	1200	130	
EAST BATON ROUGE							
Bailey Drlg, Pernie	4	dsl	2900	Nat 1320M	3000	200	
Goldrus Drlg	6	d-e	3400	Otwl E2000	1700	200	
	10	dsl	1250	Beth MA810	1176	130	
	21	dsl	1200	Cbot 1000	872	135	
Grey Wolf Drlg	7	d-e	3000	C-E C11	2000	250	
Helmerich & Payne Intl Drlg	73	d-e	2835	Otwl 3000M	3400	300	
Loffland Bros	21	d-e	3200	MC U1220EBD	2500	300	
	114	d-e	3300	MC U1220EBD	3300	300	
	116	d-e	3300	MC U1220EBD	3300	300	
	330	dsl	2400	MC U1220	2775	220	
Noble Drlg	OW-21	e-s	3300	Otwl E2000	3300	250	
Parker Drlg	174	dsl	3000	OIME Hercules 3000E	3000	300	
Quarles Drlg	19	dsl	1800	Otwl 96	1200	150	
Woolf & Magee	3	dsl	1450	G-D 700	1275	135	
EAST FELICIANA							
Cliffs Drlg	24	dsl	2600	Nat 1320	2475	250	
FRANKLIN							
New Drlg, David	9	dsl	450	S-H 5000	550	70	
IBERIA							
Bailey Drlg, Pernie	2	dsl	2000	Nat 80B	1950	140	
IBERVILLE							
Dual Drlg	21	dsl	2250	C-E C1	1600	220	
Explorer Drlg	10	dsl	1836	Beth	1750	125	
Goldrus Drlg	7	dsl	1750	S/B N95	1560	160	
	8	d-e	1750	Otwl 840E	1700	180	
Grey Wolf Drlg	2	d-e	3000	C-E C11	2000	250	
Nicor Drlg	67	d-e	1700	Otwl 660E	700	150	
Resource Drlg	12	dsl	3105	Nat 1625	3740	300	
JACKSON							
Culver Drlg	10	dsl	1500	Nat 110	1500	180	
	14	dsl	2400	MC U914	2400	160	
D B Drlg	27	dsl	820	Nat 50A	820	110	
Dual Drlg	9	dsl	2700	Nat 1320M	2000	250	
	11	dsl	1850	Otwl 860	1400	180	
Justiss Oil	38	dsl	2600	C-E J1100	2600	200	
Sawyer Drlg & Serv	4	dsl	1000	S/B N7	1000	125	
	6	gas	1200	S/B N75	1200	130	
	8	gas	1100	S/B N7	1100	115	
JEFFERSON							
D & D Drlg	1	dsl	325	S/B N4A	350	80	
Explorer Drlg	16	dsl	1350	MC U1220E13	3300	250	
JEFFERSON DAVIS							
Delta Drlg	47	dsl	2300	Nat 130	2250	200	
Nicor Drlg	4	dsl	2000	G-D 800	1000	150	
	78	d-m	2650	Nat 100	750	140	
Power Rig Drlg	17	d-e	2000	Idco E1700	2400	180	
LA SALLE							
Justiss Oil	37	dsl	200	J-M500	225	50	
	39	dsl	300	J-M 6500	400	65	
LAFAYETTE							
Cliffs Drlg	26	dsl	2000	Nat 110	1650	180	
	31	dsl	2600	Nat 110	2475	200	
Decca Drlg	21	dsl	1600	MC 914C	2100	180	
Delta Drlg	76	d-s	3200	G-D 3000RE	4600	300	
Explorer Drlg	6	dsl	1300	MC	2730	200	
	12	dsl	1300	Idco 700	2730	95	
	14	dsl	1300	Cbot 2650	2000	135	
	18	dsl	1300	Cbot 2650	2000	135	
	20	dsl	800	S/B TR800	2000	110	
	30	dsl	2000	S/B TR800	1400	200	
JFP Well Serv	6	dsl	2000	Otwl E2000	2000	250	
M G F Drlg-Lafayette	41	dsl	1600	Otwl 96	1600	150	
	42	dsl	1500	Otwl 96	1500	160	
	401	d-e	1600	Nat 320UE	2000	250	
Nicor Drlg	73	d-m	1500	Cbot 2550TRD	1200	150	
	76	d-m	1700	Nat 75	750	150	
Power Rig Drlg	19	dsl	3000	C-E C3	3300	300	
	21	dsl	3500	C-E C2	2000	250	
	23	d-e	2000	C-E C2	2000	300	
Quarles Drlg	16	dsl	2000	Idco Super 711	1100	170	
Wilson Bros Drlg	3	dsl	2600	Nat 1320	2700	300	
	6	dsl	2600	Nat 1320	2700	300	
	9	dsl	2600	Nat 110	2700	200	
	10	dsl	2200	Nat 110	2100	200	
	23	d-e	2800	Otwl E2000	2000	250	

LOUISIANA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With
LAFOURCHE							
Bailey Drlg, Pernie	7	dsl	1200	G-D 800	1200	110	
	8	dsl	2000	Nat 110M	1500	200	
Cliffs Drlg	16	dsl	2600	Nat 1320	2475	250	
	18	dsl	2600	Nat 110	2475	200	
Comet Drlg	12	dsl	1700	Cbot 1200	1200	135	
Goldrus Drlg	11	dsl	1500	S/B N12A	2000	180	
Loffland Bros	145	dsl	2955	MC U1220	2955	200	
M G F Drlg-Lafayette	47	dsl	1800	Idco S711	1500	180	
Nicklos Drlg	25	dsl	2000	C-E A1500	2119	200	
Nicor Drlg	77	d-m	2300	Nat 100	750	160	
Rio Colorado Drlg	120		1300	S/B N95A	1700	160	
LIVINGSTON							
Delta Drlg	65	dsl	2300	C-E C1 Type III	2592	180	
Parker Drlg	175	dsl	3000	OIME Hercules 3000E	3000	300	
NATCHITOCHES							
Nowotny & Conley Drlg	5	d-e	3200	C-E C3 Type II	3000	300	
OUACHITA							
Butler-Johnson	8	dsl	2300	G-D 1500	2200	200	
Noble Drlg	N-812	dsl	1420	Nat 80B	1420	150	
Nowotny & Conley Drlg	2	dsl	2000	OIME SL-1000	1200	150	
Rosamond Drlg	7	dsl	1275	S/B N10	1275	125	
Sawyer Drlg & Serv	3	dsl	1100	S/B N7	1100	120	
	5	dsl	1500	S/B N75	1500	130	
PLAQUEMINES							
CRC Mallard Well	14	dsl	1300	Wils 90	800	145	
Wilson Bros Drlg	7	dsl	1400	Nat 80B	1400	125	
POINTE COUPEE							
Cliffs Drlg	43	d-e	2600	Nat 1320UE	3300	250	
Decca Drlg	23	dsl	1800	Nat 1320M	2700	250	
Dual Drlg	28	d-e	3400	Otwl E3000	2300	300	
Eljay Drlg	4	d-s	3400	Otwl E3000	3000	300	
Helmerich & Payne Intl Drlg	83	d-s	2800	Otwl E2000	2000	260	
Parker Drlg	165	dsl	3000	OIME Hercules 3000E	3000	300	
	180	dsl	3000	OIME Hercules 3000E	3000	300	
Power Rig Drlg	12	dsl	3200	C-E A1500M	2200	300	
RICHLAND							
Wheless Drlg	3	dsl	1800	C-E C13	1800	180	
SABINE							
B-E Drlg	1	dsl	900	C-E A500	900	100	
ST BERNARD							
CRC Mallard Well	17	dsl	1300	Wils 90	800	145	
	18	dsl	1300	Wils 90	80^	145	
	20	dsl	1300	Wils 90	800	145	
Delta Drlg	16	dsl	2600	Nat 130	2250	250	
ST CHARLES							
Grey Wolf Drlg	6	d-e	3000	C-E C11	2000	250	
NL Well Serv	267	dsl	700	Cbot 2042	800	75	
	269	dsl	304	Cbot 1287	300		
ST HELENA							
Transcontinental Drlg-Jackson	14						
ST JAMES							
Power Rig Drlg	9	dsl	1850	C-E D3	1450	140	
ST LANDRY							
Bailey Drlg, Pernie	5	dsl	1500	Nat 55	1100	120	
Delta Drlg	97	dsl	2000	C-E J1100	1560	160	
Eljay Drlg	3	d-s	3400	Otwl E3000	3000	300	
Goldrus Drlg	1	d-e	2000	Otwl E3000	3000	300	
Nicklos Drlg	23	dsl	1850	Nat 110	1755	180	
	79	d-e					
	80	d-s	4800	C-E C3	3000	300	
Nicor Drlg	32	d-e	2700	MC 1220EB	2000	250	
Power Rig Drlg	22	d-e	2700	Idco E1700	1700	180	
Wilson Bros Drlg	4	dsl	2600	Nat 110	2700	200	
ST MARTIN							
Bay Drlg	1	dsl	3600	Nat 1320M	3600	250/ 5"	
Comet Drlg	4	dsl	1700	S/B N75	900	120	
Delta Drlg	25	dsl	2300	C-E C1 Type III	2592	180	

LOUISIANA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
ST MARTIN (Cont'd)							
Great Southern Oil & Gas	5	dsl	500	Wils	318	60	
HL Well Serv	286	dsl	1000	Cbot 2550HL	1500	160	
Resource Drlg	7	dsl	1560	Nat 80B	1835	140	
Richards Drlg Assocs	10	d-e	3400	Olwl E3000	3000	300	
ST MARY							
American Well Serv & Drlg	14	dsl	1700	S/B HI4610A	575	105	
American Well Service & Drlg	11	dsl	1700	S/B H14610A	575	80	
Comet Drlg	6	dsl	2550	Idco Super 7-11	1700	180	
Goldrus Drlg	22	dsl	1250	Cbot 1000	872	135	
Loffland Bros	103	d-e	3300	MC U1220EBD	3300	300	
Noble Drlg	N-131	dsl	2130	Nat 130	2130	180	
	OW-31	el	3135	Olwl E3000	3135	250	
Power Rig Drlg	10	dsl	2600	C-E A1500	1450	300	
	24	d-e	3300	C-E C3	3000	400	
TANGIPAHOA							
Challenger Drlg	34	dsl	1200	S/B N75	1500	120	
TENSAS							
Justiss Oil	10	dsl	500	S/B N45	600	100	
Murco Drlg	34	dsl	2200	Olwl N760	1350	150	
Par-Co Drlg	3	dsl	700	S-H 7000	500	70	
Rosamond Drlg	10	e-s	550	Olwl 500	600	100	
TERREBONNE							
CRC Mallard Well Drillers	19	dsl	1300	Wils 90	800	145	
	52	d-e	3000	Idco E2100	2000	250	
Goldrus Drlg	9	dsl	1750	Beth M810	1580	180	
Nicor Drlg	201	d-e	2600	Nat 1320UE	2000	250	
	202	d-e	2600	Nat 1320UE	2000	250	
Resource Drlg	RD-30	dsl	3105	Nat 1625	3740	300	
UNION							
H & S Drlg	1	dsl	1700	S/B N95	2145	140	
VERMILION							
Butler-Johnson	11	d-e	2000	Nat 110UE	2000	200	
	15	dsl	1000	Nat 80B	1950	150	
Cliffs Drlg	28	dsl	2600	Nat 1320	2475	250	
	30	dsl	2600	Nat 1320	2475	250	
Glendel Drlg	6	d-e	2000	G-D 1100E	2000	18	
Grey Wolf Drlg	8	d-e	3000	C-E C2 Type II	2000	250	
M G F Drlg-Lafayette	44	dsl	2000	MC U914	1500	180	
Nicor Drlg	34	d-e	2600	MC U914EC	1500	210	
	58	dsl	1600	MC U15	700	120	
	74	d-m	2900	Nat 1320M	2000	250	
Resource Drlg	1	dsl	3105	Nat 1320	3740	250	
	11	dsl	3105	Nat 1625	3740	300	
Tesoro Drlg	6	dsl	2600	Nat 1625M	2742	300	
WEBSTER							
Butler-Johnson	10	dsl	1500	G-D M800	1500	140	
Murco Drlg	2	dsl	2200	Olwl 760E	1000	150	
Sawyer Drlg & Serv	7	gas	900	Idco 750	900	130	
Wheless Drlg	4	dsl	1800	C-E J1100	1800	160	
WEST BATON ROUGE							
JFP Well Serv	4	dsl	2000	Olwl E2000	2000	250	
WEST FELICIANA							
JHJ Drlg	6	dsl	1000	OIME SL7	1400	170	
Loffland Bros	115	d-e	3300	MC U1220EBD	3300	300	
Murco Drlg	26	dsl	2800	Olwl N2000-B	3000	300	
Transcontinental Drlg-Jackson	91						
WINN							
Delta Drlg	56	dsl	2600	Wils Super 250	2592	250	

MICHIGAN

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
BAY							
Bigard Drlg, James	10	dsl	1200	Idco H44	600	85	
CALHOUN							
Bigard Drlg, James	3	dsl	1100	Cbot 550	550	75	
Scott Drlg, Don	5	dsl	1000	Idco H1000	900	80	
CLARE							
Bigard Drlg, James	12	d-e	2000	Idco ED1200	2000	200	
Cardinal Drlg	21	dsl	1000	C-E GC500	1000	125	
EATON							
Bigard Drlg, James	9	dsl	1100	Idco H44	600	85	
Provins Drlg, T D	6	dsl	1125	Idco 700	700	90	

MICHIGAN (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
GRAND TRAVERSE							
Bigard Drlg, James	15	dsl	1100	Idco H1000	1000	120	
Cactus Drlg Co	16	dsl	950	Nat 50A	850	100	
	21	dsl	1000	Beth M58	850	120	
Escor	4	dsl	500	Idco DI7015	600	75	
Nicor Drlg	21	dsl	800	Idco H35	400	70	
Provins Drlg, T D	3	dsl	1200	Idco 1000	900	100	
	4	dsl	1000	Coop 550	500	80	
	8	dsl	1200	Idco H1000	1000	120	
HILLSDALE							
Escor	5	dsl	949	Idco H35	445	55	
INGHAM							
Bigard Drlg, James	8	dsl	1100	Idco H44	600	85	
ISABELLA							
L & G Drlg	1	dsl	398	Idco H35	398	50	
Nicor Drlg	52	d-m	600	S/B DH14210	550	84	
JACKSON							
Bigard Drlg, James	7	dsl	900	Idco H37	535	75	
KALKASKA							
Cactus Drlg Co	17	dsl	1000	S/B N55	850	110	
	28	dsl	950	Nat 50A	850	100	
Nicor Drlg	22	dsl	870	Idco H35	400	75	
MANISTEE							
Bigard Drlg, James	16	dsl	950	Idco H44	600	85	
	17	dsl	1100	Wils 75	900	120	
L & G Drlg	3	dsl	500	C-E GB350	600	100	
Nicor Drlg	53	d-m	750	S/B DH14210	550	84	
MASON							
Miller Expl	3	dsl	750	OIME SL5	1000	180	
MISSAUKEE							
L & G Drlg	2	dsl	500	Wils 65	600	80	
OAKLAND							
Provins Drlg, T D	2	dsl	1200	Idco H37	456	80	
OSCEOLA							
Bigard Drlg, James	14	dsl	1100	Idco H1000	1000	120	
Provins Drlg, T D	7	dsl	1200	Idco H1000	1000	120	
OTSEGO							
Cactus Drlg Co	12	dsl	1000	Olwl 66	850	100	
Nicor Drlg	24	dsl	1185	Idco H525	850	90	
Provins Drlg, T D	5	dsl	1200	Idco 1000	1000	120	
ROSCOMMON							
Provins Drlg, T D	9	dsl	2100	Cbot 2550HL	1800	200	
WEXFORD							
Provins Drlg, T D	10	dsl	1200	Idco H1000	1000	120	

MISSISSIPPI

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
UNDESIGNATED							
Harris Well Serv	30	dsl	2000	Idco 1200	1400	135	
New Drlg, David	14	dsl	1500	C-E C2	2000	220	
Penrod Drlg	10	dsl	2600	Nat 1320M	3425	250	
	12	dsl	3850	G-D 1500	2120	200	
	24	dsl	2600	S/B N12A	1950	250	
	109	dsl	2000	S/B N75A	1760	150	
	112	dsl	1600	Nat 1625M	3000	300	
	120	dsl	1600	Nat 1625M	3000	300	
SEE Land Drlg	3	dsl	1200	G-D 500	500	90	
	7	dsl	1200	S/B N4	325	65	
	15	dsl	900	G-D 1100	1500	180	
ADAMS							
Energy Drlg	3	dsl	2000	C-E D3	2000	180	
Wilcox Drillers	7	dsl	300	Beth 545A		80	
AMITE							
Justiss Oil	22	dsl	1800	Nat 80B	1420	140	
	23	dsl	1800	C-E J1100	2400	200	
	26	dsl	940	C-E GB500	940	120	
	34	g-b	700	Beth M58	1000	120	
CLARKE							
Grace France Drlg	5	el	2400	Olwl 760E	2400	170	
Helmerich & Payne Intl Drlg	72	dsl	2835	Olwl 3000M	2835	300	
	77	d-e	2200	Nat 110UE	2430	180	
Murco Drlg	22	dsl	2400	S/B N95	2400	200	
New Drlg, David	8	dsl	1200	Nat 80B	1200	150	
	10	dsl	900	C-E GB500	600	115	
Transcontinental Drlg-Jackson	18						
COVINGTON							
Marion Drlg	8	d-e	2400	C-E C1	2400	200	

MISSISSIPPI (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
FRANKLIN							
Justiss Oil	16	dsl	600	C-E GB	900	120	
Rebel Rig #3 Ltd	2	dsl	350	Beth S455	350	80	
GREENE							
Marion Drlg	7	dsl	2400	C-E C1	2400	200	
HANCOCK							
Chesley Pruet Drlg	15	dsl	4800	C-E C3	4800	300	
Rapad Drlg	2	dsl	1800	C-E GB500	1200	140	
HINDS							
Quarles Drlg	14	dsl	2700	MC U914C	2400	220	
Transcontinental Drlg-Jackson	12						
HUMPHREYS							
Nicor Drlg	15	dsl	2100	Olwl 76	1000	150	
ISSAQUENA							
Transcontinental Drlg-Jackson	92						
JASPER							
Marion Drlg	1	dsl	1800	C-E M810	1800	180	
Nicor Drlg	80	d-m	780	Wils Mogul 42	450	90	
Par-Co Drlg	1	dsl	300	Idco H30	300	60	
Transcontinental Drlg-Jackson	85						
Wilson Bros Drlg	2	dsl	1900	Nat 110	1900	200	
JEFFERSON							
Wilcox Drillers	6	dsl	1100	C-E 550	800	125	
JEFFERSON DAVIS							
Chesley Pruet Drlg	12	dsl	3600	C-E C2	3600	250	
JONES							
Chesley Pruet Drlg	16	dsl	3600	C-E C2	3600	300	
Exeter Drlg Southern	15	dsl	2550	G-D 1100	1550	180	
	32	dsl	2800	G-D 1500	2800	250	
Marion Drlg	4	dsl	2400	C-E C2	2400	250	
New Drlg, David	7	dsl	500	MC U34	525	80	
Nicor Drlg	48	d-e	2700	MC U1220EB	2000	250	
Rapad Drlg	4	d-e	4000	C-E C1	2000	250	
	6	d-e	2000	C-E D3	1000	160	
Tesoro Drlg	3	dsl	2600	Nat 1320M	2742	250	
	5	dsl	2000	Nat 80B	1650	150	
	8	dsl	3200	Nat 1320	3600	300	
Transcontinental Drlg-Jackson	84						
LAMAR							
Nicor Drlg	18	dsl	1300	MC U15	700	125	
LINCOLN							
Delta Drlg	35	d-s	2800	C-E C1 Type II	3100	200	
Justiss Oil	8	dsl	450	C-E GA500	900	110	
Marion Drlg	2	dsl	2400	C-E C1	2400	200	
MADISON							
New Drlg, David	12	dsl	800	Wils Giant	800	130	
MONROE							
Rapad Drlg	5	dsl	950	Nat 370	950	120	
PEARL RIVER							
Helmerich & Payne Intl Drlg	75	dsl	3300	Nat 1625M	3845	300	
PIKE							
SEE Land Drlg	9	dsl	1500	Nat 100	1200	140	
RANKIN							
Helmerich & Payne Intl Drlg	71	dsl	1800	Nat 1320M	1830	230	
SCOTT							
Murco Drlg	10	dsl	2200	S/B N95	2400	200	
SIMPSON							
Helmerich & Payne Intl Drlg	74	dsl	3300	Olwl	3895	300	
	86	d-s	4250	Nat 1625DE	4250	300	
SMITH							
New Drlg, David	11	dsl	900	C-E GA500	600	115	
WARREN							
Justiss Oil	7	dsl	1800	C-E J1400	2900	200	
	35	dsl	1250	C-E J1400	1200	180	
Marion Drlg	6	dsl	3300	C-E C3	3300	300	
Murco Drlg	46	d-e	2800	Olwl E2000	2000	300	

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
MISSISSIPPI (Cont'd)							
WAYNE							
Justiss Oil	24	dsl	3600	C-E J1400	3000	220	
New Drlg, David	6	dsl	450	Beth C50	600	110	
Tesoro Drlg	1	dsl	2600	Nat 1320M	2742	250	
WILKINSON							
Helmerich & Payne Intl Drlg	41	dsl	1650	Nat 110	1815	220	
JHJ Drlg	4	dsl	1000	OIME SL7	1400	170	
Marion Drlg	5	dsl	2400	Otwl M2000	2400	250	
Tesoro Drlg	7	dsl	2000	Nat 80B	1650	150	
MONTANA							
UNDESIGNATED							
Bawden Drlg Ltd, Peter	14E	d-s	2500	Nat 1320UE		250	
Comanche Drlg Co	1	dsl	430	Idco H30	400	50	
	2	dsl	430	Idco H30	400	50	
	5	dsl	430	Idco H30	400	50	
Penrod Drlg	101	dsl	1684	S/B N46	1080	100	
BEAVERHEAD							
Cardinal Drlg	17e	d-e	2000	C-E D3	2000	180	
BIG HORN							
Aspen Drlg	1	dsl	400	Ewb 3500	475	35	
Molen Drlg	4	dsl	1350	S/B N75A	1350	150	
DANIELS							
Grace-Bomac Drlg	27	dsl	1010	S/B N55	750	95	
DAWSON							
Enopco	4	dsl	1600	Nat 610	2100	140	
FALLON							
Atco Drlg	17	d-e	1200	Nat 610E	120	120	
Cliffs Drlg	6	dsl	1600	Nat 610	1100	125	
Shelby Drlg	54-E	d-e	1000	Nat 370ESCR	650	100	
Spartan Drlg	11	d-m	600	Sup 700	700	110	
	19	d-m	600	Sup 700	700	110	
FLATHEAD							
Parker Drlg	166	d-e	3000	OIME 3000E	3000	300	
GLACIER							
Anderson-Myers Drlg	8	dsl	1800	Nat 90	1800	160	
Blocker Drlg-Houston	53					140	
	55					140	
Simmons Drlg	31	dsl	350	S-H 6000	350	65	
GOLDEN VALLEY							
Elenburg Expl	10	dsl	320	Elenburg	430	60	
HILL							
Elenburg Expl	5	dsl	320	W-N CC2000	180	25	
K B Drlg	1	dsl	278	Crdw A150A	185	45	
	2	dsl	278	Crdw AH-91	185	50	
LEWIS & CLARK							
Cardinal Drlg	16e	d-e	2000	C-E D3	2000	180	
LIBERTY							
Simmons Drlg	46	dsl	350	Troy M600	350	75	
McCONE							
Cardinal Drlg	1	dsl	864	BDW 800	1140	140	
MUSSELSHELL							
Simmons Drlg	36	dsl	350	Hycalog HH600P	350	68	
	47	dsl	350	Troy M600	350	75	
PARK							
Molen Drlg	5	dsl	1200	S/B N46	800	120	
PHILLIPS							
Elenburg Expl	8	dsl	320	W-N CC2000	230	25	
PRAIRIE							
True Drlg	22	dsl	1200	Nat 55	1200	130	
RICHLAND							
Blocker Drlg-Houston	58					140	
Brinkerhoff-Signal	10	dsl	1000	MC U40	1000	130	
Enopco	2	dsl	1800	Nat 610	2100	140	
Noble Drlg	N-810	dsl	1606	Nat 80B	1606	150	
Transcontinental Drlg-Denver	82	dsl	1000	G-D GD700	1470	125	
TMBR Drlg	16	dsl	700	Nat 50CA	800	105	
MONTANA (Cont'd)							
ROOSEVELT							
Apollo Drlg	8	dsl	1200	Otwl 76	1200	105	
Brinkerhoff-Signal	80	dsl	1500	Nat 80B	1500	160	
Challenger Drlg	31	dsl	1200	S/B N75	1200	120	
Kenting Drlg	3	dsl	615	C-E 500	800	110	
Noble Drlg	N-811	dsl	1606	Nat 80B	1606	150	
Transcontinental Drlg-Denver	31	dsl	1200	Wils 90B	1354	150	
Westburne Drlg	62	dsl	1050	Nat 50A	1200	110	
ROSEBUD							
Soape Drlg	1	dsl	950	Nat 45	950	75	
SHERIDAN							
Anderson-Myers Drlg	3	dsl	1200	C-E G500	1200	110	
Forwest	3	d-s	2000	Idco 1200E	1600	160	
Grace-Bomac Drlg	37	dsl	1000	G-D 700M	1000	125	
Nicor Drlg	40	d-e	1700	Otwl 660E	700	120	
	62	dsl	1000	Nat 610	750	125	
Noble Drlg	N-89	dsl	800	Nat 80B	800	130	
Transcontinental Drlg-Denver	39	dsl	1100	G-D GD800	1300	135	
TETON							
Aikins Drlg	2	dsl	200	B-E	200	30	
TOOLE							
Elenburg Expl	2	dsl	320	W-N CC2000	230	25	
VALLEY							
Challenger Drlg	1	dsl	900	C-E BC500	1000	110	
	24	dsl	500	S/B N4A	650	65	
Drilcon	1	dsl	1125	Beth 450	1125	110	
	5	dsl	715	Idco H725	700	110	
Helmerich & Payne Intl Drlg	53	d-e	1200	Idco H525	800	120	
WIBAUX							
Dixilyn-Field Drlg	37	dsl	1600	Nat 80UE	2000	150	
YELLOWSTONE							
Molen Drlg	6	d-e	3000	C-E C1 Type II	2000	220	
NEBRASKA							
UNDESIGNATED							
MOXA Drlg	1	dsl	540	Idco 35	380	70	
BANNER							
Toltek Drlg	1	dsl	440	S/B N4	440	85	
DUNDY							
Murfin Drlg	7	dsl	525	Nat T32	400	60	
HITCHCOCK							
Murfin Drlg	20	dsl	525	Nat 370	600	75	
	24	dsl	525	Idco H35SC	475	65	
Stoeppelwerth Drlg	1	dsl	375	Nat T32	375	55	
MORRILL							
Banner Drlg	4	dsl	400	Apache 25040	375	50	
RED WILLOW							
Stoeppelwerth Drlg	2	dsl	375	C-E 250	375	45	
SCOTTS BLUFF							
Bainer Drlg	3	dsl	500	Nat T45	800	95	
NEVADA							
CHURCHILL							
Veco Drlg	7	dsl	1550	OIME 1000	1000	160	
CLARK							
Continental Drlg	17	d-e	2600	Idco E1700	1700	190	
Loffland Bros	211	dsl	1260	MC U15	1000	100	
EUREKA							
Brinkerhoff-Signal	9	dsl	550	S/B N45	800	75	
WHITE PINE							
Montgomery Drlg	48	dsl	2000	Nat 110	2000	200	
NEW JERSEY							
UNDESIGNATED							
New Jersey Drlg	T5	dsl	400	I-R	400	50	
NEW MEXICO							
UNDESIGNATED							
Stewart Bros Drlg	45	dsl	324	Fail 2500	324	30	
	51	dsl	324	Fail 2500	324	30	
	52	dsl	324	G-D 15W	324	15	
	54	dsl	1000	Fail 100	450	50	
BERNALILLO							
Earl & Sons Drlg	1		1500	I-R	3800	15	
	2						
CHAVES							
Artesia Fishing Tool	2	dsl	500	G-D	500	60	
Hondo Drlg	4	dsl	1650	S/B N75	1100	140	
L & M Drlg	1	dsl	750	G42	440	75	
La Rue Drlg	1	dsl	650	Nat T20	500	70	
W E K Drlg	3	dsl	450	C-E S45E	440	85	
DONA ANA							
Bayless Drlg	7	dsl	1500	G-D GD700	1200	140	
Dual Drlg	26	dsl	2550	Wils 150A	1650	180	
EDDY							
Ard Drlg	1	dsl	600	S-H	670	85	
	5	dsl	1986	MC U20	1800	150	
Artesia Fishing Tool	1	dsl	400	May 3000	200	40	
Cactus Drlg Co	25	dsl	1450	Idco L711	110	120	
	73	dsl	300	MC U34	454	65	
Collier Drlg	10	dsl	600	Chal	475	55	
Delta Drlg	60	d-e	1825	C-E D3 Type II	2592	160	
Dual Drlg	31	dsl	1600	Otwl 500	600	9000	
	37	dsl	1600	Otwl 500	700	100	
Hondo Drlg	12	dsl	1250	G-D 800	1250	150	
Kenai Drlg of New Mexico	22	dsl	1700	C-E J1100	1700	150	
	37	dsl	1750	Nat 100M	1750	180	
L & M Drlg	2	dsl	750	G-D 3000	380	60	
La Rue Drlg	2	dsl	500	G-D 3000	500	60	
Landis Drlg	4	dsl	800	S/B N45	700	100	
M G F Drlg-Midland	23	dsl	1150	Otwl 76	1150	135	
	26	dsl	1725	G-D 1100	1725	190	
McVay Drlg	7	dsl	1200	Nat 75CA	1200	130	
	9	dsl	1400	Nat 110	1400	180	
Parker Drlg	2	dsl	1200	OIME SL1000P	1200	140	
	34	gas	1000	Nat 75	1000	160	
	161	gas	1000	Nat 75	1000	160	
Resource Drlg	6	dsl	2330	Nat 110	2740	180	
Sharp Drlg	65	dsl	1560	C-E D3	1836	180	
W E K Drlg	1	dsl	770	MC U34	380	75	
Willbros Drlg	1	dsl	1200	Otwl 76	1200	140	
	6	dsl	800	C-E G500	800	120	
HARDING							
Aztec Well Serv	171	dsl	600	Wils M75	700	80	
HIDALGO							
Loffland Bros	37	d-e	2160	MC U914B	2400	200	
LEA							
Ard Drlg	6	dsl	1200	MC U15	1200	115	
	7	dsl	1200	MC U40	1200	140	
Aztec Well Serv	184	dsl	600	Wils M75	1100	120	
	289	dsl	600	Crdw KB500	750	85	
Cactus Drlg Co	8	dsl	900	S/B N7	1200	110	
	9	dsl	900	S/B N75	1200	130	
	23	dsl	2000	Nat 110	2550	200	
	27	dsl	2200	S/B N20	2550	250	
	55	dsl	800	Idcu H35	870	65	
	58	dsl	550	Beth S45E	454	80	
	67	dsl	550	Nat T32	454	65	
	68	dsl	500	Idco H30	454	60	
	69	dsl	750	Nat 370	718	100	
	70	dsl	800	Nat 370	918	100	
Delta Drlg	3	dsl	2300	C-E C1 Type III	2331	180	
Hondo Drlg	3	dsl	1100	Beth M58C	800	130	
	5	dsl	1100	Nat 55C	800	130	
	7	gas	1000	S/B N55	750	120	
	10	dsl	1250	S/B N75A	1250	150	
Kenai Drlg of New Mexico	2	dsl	2000	C-E J1100	2000	150	
	10	dsl	365	C-E GA250T	425	65	
	21	dsl	1350	MC U20	1350	150	
	23	dsl	1800	C-E JB1250	1800	150	
	31	dsl	650	MAC 300	400	65	
	36	dsl	650	Wils Giant	700	105	
Landis Drlg	1	dsl	1000	BDW 650M	1000	130	
McVay Drlg	4	dsl	850	Nat 75	850	120	
	8	gas	1200	Nat 80B	1200	150	
	10	dsl	1300	Nat 100	1300	160	
Moranco	1	dsl	1100	OIME 1000SL	1000	150	
	2	dsl	1100	C-E GB800	1000	150	
	3	dsl	1100	MC 712A	1000	150	
	5	dsl	750	MC U15	750	110	
	6	dsl	750	S/B N75	750	120	
	7	dsl	1100	S/B N75	1000	150	
	9	dsl	750	S/B N55	750	110	
	10	dsl	1100	MC	750	110	

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With

NEW MEXICO (Cont'd)

LEA (Cont'd)							
Parker Drlg	38	gas	1200	Nat 100M	1200	180	
	58	dsl	1650	Nat 100M	1650	160	
	65	gas	1600	Nat 100M	1600	230	
	85	gas	1600	Nat 130	1600	230	
	90	gas	1800	Nat 130	1800	250	
	198	gas	1600	OIME 1500C	1600	220	
Rio Colorado Drlg	142	dsl	1825	Nat 110	1650	180	
Rod Ric	11	dsl	450	Nat T20	440	70	
Sharp Drlg	35	dsl	2331	Beth 1013	2742	230	
	36	dsl	2331	Beth MC950	2742	220	
	369	d-e	1488	MC U712EC	1995	180	
Sierra Drlg Co	3	dsl	500	C-E D2	1000	130	
Sterling Drlg (TX)	20	dsl	1260	Nat 610	840	130	
Tri-Service Drlg	2	dsl	1400	Ohwl 66	900	100	
	8	g-b	750	Ohwl 76	750	130	
TMBR Drlg	29						
Verna Corp	16	dsl	600	S/B N14	450	65	
W E K Drlg	2	dsl	1200	Idco H35	480	120	
Willbros Drlg	3	dsl	800	MC U15	800	110	
	5	gas	1100	Beth 450	1100	130	
	7	dsl	1400	C-E A800	1400	160	
Wilson Bros Drlg	19	dsl	800	Nat 80B	1425	160	
	21	dsl	800	Nat 80B	1425	160	
Young Drlg	4	dsl	400	Crdw K500	600	85	
	5	dsl	750	Crdw K500	600	80	
McKINLEY							
Antelope Drlg	1	dsl	600	Cbot Comet 50	500	65	
Stewart Bros Drlg	53	dsl	324	G-D 15W	324	15	
RIO ARRIBA							
Arapahoe Drlg	7	g-b	700	Nat T45	700	100	
	10	g-b	700	Nat 50A	500	120	
Aztec Well Serv	222	dsl	750	Wils M75	1100	120	
Four Corners Drlg	3	dsl	1500	Crdw KB500	700	80	
	6	dsl	1500	Crdw KB500	700	80	
	10	dsl	1500	Crdw	750	80	
	11	dsl	1500	Crdw KB500	636	80	
LLL Drlg	2	dsl	1720	Cbot 750	860	100	
Young Drlg	2	dsl	600	Idco DIR701	600	85	
ROOSEVELT							
Sitton Drlg	5	dsl	450	Wils 75P	900	115	
SAN JUAN							
Arapahoe Drlg	3	g-b	300	Wils Mogul	320	65	
	6	dsl	300	Nat T32	350	80	
	11	g-b	300	Nat T32	320	90	
Aztec Well Serv	50	dsl	400	Wils Mogul	350	60	
Energy Search Drlg	2	dsl	1500	Cbot 900	900	100	
Four Corners Drlg	7	dsl	1500	Crdw KB500	750	80	
	12	dsl	1500	Crdw KB500	636	80	
True Drlg	4	dsl	450	C-E GA250T	500	65	
SANDOVAL							
Brinkerhoff-Signal	78	dsl	1600	Nat 610	1100	125	
Four Corners Drlg	2	dsl	1500	Crdw KB500	700	80	
	9	dsl	1500	Crdw KB500	750	80	
Nicor Drlg	41	dsl	2000	G-D 1100M	1500	210	
Young Drlg	3	dsl	400	Wils 75	600	85	
SIERRA							
Cactus Drlg Co	14	dsl	800	Ohwl 66	1200	110	
UNION							
Aztec Well Serv	56	dsl	400	Wils Mogul	350	60	
Baker & Taylor Drlg	18	dsl	700	C-E GB250T	465	60	

NEW YORK

CHAUTAUQUA							
International Petr Serv	7	dsl	475	Chal 320	360	40	
	8	dsl	600	Wils Mogul 42	475	75	
	9	dsl	475	Chal Model 320HD	360	45	
	10	dsl	600	Wils Mogul 42	475	75	
	12	dsl	475	Chal Model 320	360	40	
Underwater Gas Dev	1	dsl	250	Fail 3500	200	40	
	3	dsl	320	Chal 320	320	50	
	4	dsl	320	Challenger 320	320	50	
	5	dsl	250	Fail 3500	250	50	
	7	dsl	320	Chal 320	320	50	

NORTH DAKOTA

UNDESIGNATED							
Blocker Drlg-Houston	51					180	
	52					160	
	54					140	

NORTH DAKOTA (Cont'd)

UNDESIGNATED (Cont'd)							
KCA Drlg	C3	dsl	1200	Nat 80B	1200	120	
Penrod Drlg	103	dsl	1760	Nat 80B	2000	200	
	104		2000	Nat 80B	1760	150	
	105	dsl	1575	Nat 80B	1760	150	
BILLINGS							
Anderson-Myers Drlg	16	dsl	2300	Nat 55	1200	130	
Brinkerhoff-Signal	1	dsl	1100	G-D 800	1100	130	
	74	dsl	1500	G-D GD800	1500	150	
Cardinal Drlg	10	dsl	1296	C-E GB800	1296	135	
	11	dsl	864	BDW 800	1140	140	
Dixilyn-Field Drlg	35	d-e	1600	Nat 80UE	2000	150	
Drilcon	2	dsl	1176	Nat 80B	1176	145	
Enopco	7	dsl	2000	Nat 80B	1800	180	
Grace-Bomac Drlg	92	dsl	1000	G-D 700M	1000	125	
Kenting Drlg	8	dsl	615	Nat 610	800	130	
	48	dsl	1400	Nat 610	1400	125	
Noble Drlg	E552	dsl	800	C-E A550	800	130	
	N-57	dsl	800	Nat 55	600	120	
	N-84	dsl	1320	Nat 80B	1320	150	
	814	dsl	1606	Nat 80B	1606	150	
Ratliff Drlg	6	dsl	1650	C-E GB800	1650	170	
	15	dsl	1650	Nat 80B	1650	180	
Westburne Drlg	59	dsl	1100	Idco M750D	800	100	
SOTTINEAU							
Cardinal Drlg	3	dsl	400	Nat T20	400	55	
	8	dsl	400	Nat T20	440	55	
	34	dsl	400	C-E GB160	400	45	
	35	dsl	1120	SOS 6000S	480	75	
BOWMAN							
Burris Drlg	118	dsl	850	MAC 400	500	105	
Cardinal Drlg	7	dsl	1120	C-E GB500	864	105	
Grace-Bomac Drlg	46	dsl	1125	Nat 610M	1125	125	
BURKE							
Cardinal Drlg	5	dsl	541	C-E GB250	560	75	
Grace-Bomac Drlg	21	dsl	520	Idco H35SC	260	70	
Kenting Drlg	44	dsl	550	C-E GB350	550	85	
Shelby Drlg	5	dsl	380	Coop LTO550	450	75	
DIVIDE							
Grace-Bomac Drlg	30	dsl	1500	Ohwl 96	1500	180	
	39	dsl	1000	S/B N75	1000	125	
	48	dsl	1500	G-D 800M	1500	160	
	60	dsl	1500	Nat 80B	1500	160	
Kenting Drlg	1	dsl	1500	Nat 80B	1500	150	
	4	dsl	450	C-E GB350	700	90	
	14	dsl	1500	Nat 80B	1500	150	
Nicor Drlg	26	dsl	1100	Nat 50A	425	115	
Transcontinental Drlg-Denver	50	dsl	820	G-D GD800	1470	135	
West Wind Drlg	59	dsl		Nat 80B	1800	150	
DUNN							
Brinkerhoff-Signal	11	dsl	1500	Nat 80B	1500	150	
Dual Drlg	27	dsl	1200	C-E D3	1000	160	
Grace-Bomac Drlg	33	dsl	1500	Ohwl 96	1500	140	
	49	dsl	1500	G-D 800M	1500	160	
	52	dsl	1500	Nat 80B	1500	160	
Noble Drlg	OW-861	dsl	2400	Ohwl 860	2400	180	
Westburne Drlg	61	dsl	1050	Nat 55	1320	125	
GOLDEN VALLEY							
Grace-Bomac Drlg	41	dsl	700	S/B N7	700	100	
Kenai Drlg West Coast	1	dsl	2450	C-E A800	2450	150	
HETTINGER							
Transcontinental Drlg-Denver	81	dsl	1000	G-D GC800	1470	150	
McKENZIE							
Atco Drlg	10	d-e	2000	Nat 80UE	2000	160	
Blocker Drlg Canada	1	dsl	1000	OIME 1500SL	1500	180	
	2	dsl	1000	OIME 1000SL	1500	160	
	5	dsl	800	S/B N75	1200	130	
	8	dsl	770	OIME 750SL	1155	140	
	11	dsl	1000	Nat 80B	1500	150	
Brinkerhoff-Signal	65	dsl	1000	Nat 80B	1000	160	
Burris Drlg	101	dsl	1500	G-D 1100M	1500	200	
	102	dsl	1000	G-D 700	1000	145	
Cardinal Drlg	22	dsl	1554	Nat 80B	1554	150	
Drilcon	3	dsl	784	Nat 50A	784	100	
	4	dsl	1800	Nat 110	1800	150	
Dual Drlg	3	dsl	1500	Wils 120	1650	150	
	17	dsl	1550	Beth M58	750	125	
Forwest	4	d-s	2000	Idco 1200	1600	160	
Grace-Bomac Drlg	25	dsl	1500	Nat 80B	1500	150	
	36	dsl	1500	Nat 80	1500	150	
	38	dsl	1000	G-D 700M	1000	125	
	42	dsl	1000	G-D 700M	1000	125	
	47	dsl	1500	Nat 80B	1500	160	
	51	dsl	2250	Nat 110M	2250	200	
	54	dsl	1125	Nat 610M	1125	125	
	57	dsl	1500	G-D 800M	1500	160	
	58	dsl	1500	Nat 80B	1500	160	

NORTH DAKOTA (Cont'd)

McKENZIE (Cont'd)							
Helmerich & Payne Intl Drlg	15	dsl	1230	Ohwl 76	1365	150	
Kenai Drlg West Coast	12	dsl	850	Nat 50A	950	100	
	27	dsl	1000	Nat CA75	1150	140	
	33	dsl	800	Wils Giant	1000	120	
Kenting Drlg	2	dsl	1200	MC U40	1200	140	
	6	dsl	1500	S/B N85	1500	150	
	7	dsl	615	U36A	800	115	
	11	dsl	1200	MC U40	1200	140	
	43	dsl	600	C-E GA500	600	105	
	47	dsl	800	MC 36A	800	110	
	30-E	d-e	2000	Nat 80UE	1000	150	
Nicor Drlg	16	dsl	1550	Ohwl 76	1000	150	
	27	dsl	2000	S/B N95	1500	180	
	59	dsl	1400	Nat 55M	700	145	
Shelby Drlg	52	dsl	1500	OIME SL7	1500	160	
Spartan Drlg	8	d-e	1000	Sup 1000E	1000	160	
Tierra Drlg	14	d-e	1000	BDW 800MX	750	140	
Transcontinental Drlg-Denver	46	dsl	2000	Nat 80B	1956	150	
True Drlg	21	dsl	1800	Nat 80B	1800	150	
	23	dsl	1800	MC U712A	1800	160	
West Wind Drlg	52						
	56	dsl		Nat 80B	1800	150	
Westburne Drlg	63	dsl	1000	OIME SL7	1400	150	
MC LEAN							
Atco Drlg	58	d-e	1800	Nat 80UE	1800	160	
MORTON							
Burris Drlg	103	dsl	1000	G-D 700	1000	145	
MOUNTRAIL							
Blocker Drlg Canada	4	dsl	770	OIME 750SL	1155	140	
Brinkerhoff-Signal	77	dsl	1500	G-D 800M	1500	135	
RENVILLE							
Cardinal Drlg	6	dsl	560	C-E GB250	440	65	
	12	dsl	560	SOS 6000	480	65	
	14	dsl	560	C-E GB350	840	85	
STARK							
Cliffs Drlg	14	dsl	1200	C-E J1250	900	150	
Grace-Bomac Drlg	40	dsl	1000	Ohwl 76	1000	130	
Noble Drlg	E551	dsl	800	C-E A550	800	130	
WARD							
Grace-Bomac Drlg	26	dsl	1010	G-D 500M	750	35	
	31	dsl	630	Beth S45E	370	80	
Phelps Drlg	20	dsl	326	TSM 6000	450	75	
WILLIAMS							
Challenger Drlg	22	dsl	1400	Nat 110	1800	180	
Cliffs Drlg	36	dsl	1700	C-E JB1250	1650	160	
Forwest	5	d-s	2000	Nat 80UE	2000	160	
Grace-Bomac Drlg	34	dsl	700	S/B N7	700	100	
	35	dsl	2250	Nat 110M	2250	200	
	50	dsl	1500	Nat 80B	1500	160	
	55	dsl	1500	G-D 800M	1500	160	
Helmerich & Payne Intl Drlg	88	dsl	1815	Ohwl 860	1815	160	
Nicor Drlg	25	dsl	1700	Nat 125	1200	150	
Noble Drlg	N-82	dsl	1200	Nat 80	1200	150	
Pruet-Ram-Co	1	d-e	2000	C-E D3	2000	180	
	2	dsl	3000	C-E C1	3000	200	
	3	dsl	1800	C-E D2	1200	150	
	5	dsl	1800	C-E D2	1200	140	
TMBR Drlg	19	dsl	700	Nat CA50	700	100	
	21	dsl	1100	Nat 75CA	1100	130	
	22	dsl	700	S/B N75	750	140	
	23	dsl	1100	Nat 75CA	1100	140	
	27	dsl	1750	G-D 700	800	140	
	28	dsl	1850	G-D 800	1850	160	

OHIO

UNDESIGNATED							
Devonian Drlg	1	dsl	325	Kremco K600	475	70	
	2	dsl	505	Cbot 2042	475	60	
ASHTABULA							
International Petr Serv	4	dsl	475	Wils 42	475	75	
	6	dsl	475	Wils 42	475	75	
P E P Drlg	2	dsl	500	Idco H35S	350	65	
	3	dsl	650	Nat T45	600	75	
Underwater Gas Dev	2	dsl	200	I-R T5	350	50	
ATHENS							
Mid Atlantic Oil	1	dsl	400	Idco Rmbr 5525	480	70	
GEAUGA							
P E P Drlg	1	dsl	550	S/B N45	450	75	
	4	dsl	550	G-D 500	500	70	

OHIO (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
HOCKING							
Beverly Drlg	1	dsl	2600	Idco	600	60	
	2						
HOLMES							
Mid Atlantic Oil	4	dsl		Idco Rmbr	325	56/3.5"	
MEDINA							
Armstrong Drlg	10	dsl	380	May 3000 Port	350	40	
Miller Contract Drlg	21	dsl	425	S-H 6000	425	70	
MEIGS							
Smith Petr, Carl E	6	dsl		Idco BIR5525	500	75	
MORGAN							
Mid Atlantic Oil	2	dsl	500	Idco Rmbr 5525	480	70	
	3	dsl	500	Wils 42	500	85	
MORROW							
Sheldon & Son, R H	1	dsl	450	W-N 25040	350	60	
PORTAGE							
P E P Drlg	7	dsl	550	C-E WS1	470	75	
STARK							
Armstrong Drlg	27	dsl		Wils Mogul 42	280	75	
SUMMIT							
P E P Drlg	6	dsl	550	Idco H35S	350	65	
TRUMBULL							
Armstrong Drlg	11	dsl	380	Wils Mogul 42	380	75	
WAYNE							
Armstrong Drlg	12	dsl	380	May 3000	318	40	

OKLAHOMA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
UNDESIGNATED							
ACT Drlg	1	dsl	1750	G-D 6D 800	1000	160	
	2	dsl	1750	Nat 125	1950	230	
Baltic Drlg	10	dsl	940	Sup 700	600	95	
Big Chief Drlg	20	gas	1200	MC U40	960	135	
	36	dsl	1400	Nat 55	900	110	
Bighorn Drlg	1	dsl	1200	Nat 370	900	90	
	3	dsl	800	Idco H37	500	65	
	4	dsl	1000	MC U15	1000	100	
	5	dsl	1200	MC U15	1000	100	
Blocker Drlg-Houston	20					90	
	25					120	
	26					140	
Crescent Drlg	1	dsl	400	Beth S45E	400	70	
Forex Neptune and/or Affil	54	d-e	3200	G-D 1500E	2000	217	
Fossil Drlg	1	dsl	1150	C-E GB350	800	100	
	2	dsl	1350	G-D 500M	900	120	
	4	dsl	1300	MC U15	900	125	
M G F Drlg-Lafayette	46	dsl	1800	Idco S711	1500	180	
Mar-Tay Drlg	1	dsl	450	Crwdl K200C	350	50	
Noble Drlg	OW-842	e-s	2000	Oiwl 840	2775	200	
Penrod Drlg	3	dsl	2600	Nat 1320M	3425	250	
	8	dsl	2600	Nat 1320M	3425	250	
	21	dsl	2600	Nat 1320M	1950	150	
	26	dsl	2600	C-E C2	1950	250	
	118	dsl	1600	Nat 1625M	3000	300	
	126	dsl	1000	Nat 80B	1760	150	
	127	dsl	1000	Nat 80B	1760	150	
	129	dsl	1000	Nat 80B	1760	150	
	130	dsl	1000	Nat 80B	1760	150	
	131	dsl	1000	Nat 80B	1760		
	132	dsl	1000	Nat 80B	1760		
Quanza Drlg	1	dsl	300	Nat 300B	300	55	
	2	dsl	250	S/B N4	450	45	
Ratliff Drlg	2	gas	1020	Nat 55	1020	140	
Robinson Bros Drlg	Gary Jack	d-e	2000	G-D	2000	180	
	3	dsl	1000	Wils 75	900	90	
	5	dsl	1000	Oiwl 66	900	110	
	6	dsl	2200	Nat	1600	180	
	7	d-e	1750	Nat 80UE	1500	120	
	12	dsl	800	G-D 700	1000	120	
	14	dsl	900	Nat 50	800	110	
	18	dsl	2000	G-D 1500E	2000	200	
	20	dsl	1000	S/B N95	300	200	
	22	dsl	2000	C-E E90G	2000	150	
	23	d-e	3200	C-E C2	2000	250	
	24	d-e	3200	C-E Electra Hoist	2000	250	
	25	dsl	3000	OIME SL7	3000	200	
	26	dsl	1050	Idco H725	1500	160	
	27	dsl	1050	Idco H725	1500	160	
Rockwell Drlg	20	dsl	670	MAC 350	550	65	
	22	dsl	670	C-E G36	450	70	

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
UNDESIGNATED (Cont'd)							
Scott Drlg, Jerry	1	dsl	350	S/B N4	350	55	
Thomas Drlg	10	dsl	600	Wils Super Giant	600	110	
Warren Interstate Drlg	1	dsl	1000	Cbot 2042TDHT	700	107	
ALFALFA							
Dean Drlg	1	dsl	1100	Idco H40	1000	110	
FWA Drlg	21	dsl	1000	Wils Mogul 42	720	100	
Thomas Drlg	4	dsl	600	C-E 500	600	102	
Vaughn Good Drlg	3	dsl	500	Coop 600	500	90	
ATOKA							
Grace Miller Drlg	110	dsl	1500	OIME SL1500	1500	200	
Lagersen Drlg	4	d-e	2000	C-E J1100E	2500	220	
BEAVER							
Bravo Drlg	3	dsl	870	BDW 800	870	140	
Damac Drlg	3	dsl	930	Wils Mogul	620	95	
Eagle Drlg	4	dsl	1100	MC U15	850	100	
N R G Drlg	1	dsl	580	Wils Mogul 42	560	70	
Robinson Bros Drlg	1	dsl	1750	S/B N75	1500	120	
Sagw Drlg	3	dsl	400	Idco H40	400	85	
Slawson Drlg	6	dsl	360	Idco H525	480	85	
Triad Drlg	4	dsl		S/B N7	800	110	
Zenith Drlg	8	dsl	600	C-E GB350	600	85	
BECKHAM							
Atco Drlg Southern	14	d-e	3200	Nat 1320E	2000	220	
Big Chief Drlg	45	dsl	1500	S/B N95A	2250	180	
Challenger Drlg	7-E	dsl	900	Nat 80E	1000	140	
Continental Drlg	8	d-e	2600	Idco E1700	1700	190	
	9	d-e	2000	Idco ED1200	1200	160	
	15	d-e	2000	Idco ED1200	1200	160	
	35	d-e	2600	Idco E1700	1700	190	
Culver Drlg	7	d-e	2000	G-D 1500	2000	250/5"	
	8	dsl	1200	OIME SL7A	1200	180/5"	
	9	dsl	1800	Nat 110	1800	180/5"	
Dual Drlg	35	d-e	2000	C-E D3	1000	160	
Grace/T R G Drlg	5	dsl	1245	Nat 75	1305	145	
	10	d-e	3000	G-D 3000E	3000	300	
	18	d-e	2200	G-D 1500E	2400	220	
	23	dsl	1400	Nat 80B	1305	160	
	141	d-e	2200	G-D 1500E	2400	220	
Helmerich & Payne Intl Drlg	46	dsl	1100	C-E GB800	1210	150	
	94	d-s	2000	Nat 110ME	1500	200	
	98	d-s	2000	Nat 110ME	1500	200	
Loffland Bros	34	d-e	3500	MC U1220	2500	280	
	102	d-e	3300	MC U1220EBD	3300	280	
	317	dsl	2250	G-D 1500	2500	240	
Nowotny & Conley Drlg	6	d-e	3200	Nat 1320UE	3000	250	
Parker Drlg	59	gas	1650	OIME 1500C	1650	200	
	149	gas	1000	Nat 75	1000	180	
	167	dsl	1650	OIME SL1500	1650	200	
	182	dsl	3000	OIME Hercules 3000E	3000	300	
	192	gas	1200	OIME 1000C	1200	160	
	201	dsl	4800	OIME E4000	4000	500	
	212	dsl	3200	OIME 2000	2000	250	
Rowan Drlg US	7	dsl	3200	C-E A1500	2500	220	
	18	dsl	3200	C-E A1500	2500	300	
Santa Fe Drlg	SFW-15	d-e	1600	C-E C111	2000	300	
Sharp Drlg	39	dsl	2331	Oiwl M2000	2742	300	
	40	dsl	1770	Oiwl 96	2025	180	
	58	dsl	2319	Oiwl 96	2607	230	
	71	d-e	2331	MC U914EC	2742	235	
Tri-Land Drlg	1	dsl	1500	G-D 1500E	2000	210	
Tri-Service Drlg	9	dsl	2475	Nat 1320M	2475	220	
Trigg Drlg	8	dsl	1200	Nat 125	1600	200	
U R C Drlg	4	d-e	1500	MC 914C	1500	220	
	5	dsl	2250	MC 1220	2250	250	
Unit Drlg & Expl	12	d-e	1350	G-D 1500	2000	250	
BLAINE							
Cimarron Oper	3	dsl	1230	Idco H725	950	100	
Cothrum Drlg	15						
FWA Drlg	5	dsl	1400	Wils Giant	850	115	
ONEOK Drlg	9	dsl	1110	MC U15	700	130	
Santa Fe Drlg	SFM 11	dsl	1900	G-D 800	1000	150	
	SFM 12	dsl	2050	G-D 800	1000	150	
	SFM 14	dsl	1450	BDW 800MI	800	150	
	SFM 2	dsl	1400	Idco ED900	900	140	
	SFM 4	dsl	1550	OIME SL1500	1500	180	
	SFM 5	dsl	1200	OIME SD5	750	120	
	SFM 6	dsl	1200	OIME SL7	900	160	
	SFM 7	dsl	1200	OIME SD5	750	120	
Trigg Drlg	2	g-b	700	Nat 75	900	120	

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
BRYAN							
Helmerich & Payne Intl Drlg	89	d-s	2730	Nat 110UE	2730	200	
Moran Drlg, E W	21	dsl	1600	Wils 120	1100	150	
CADDO							
Apollo Drlg Inc	2	dsl	1500	Nat 80B	1500	160	
Arden Drlg	1	d-e	1600	C-E D2	1200	160	
	6	d-e	3200	C-E C3	3000	350	
	12	d-e	2600	Nat 110UE	1500	220	
Atco Drlg Southern	16	d-e	3200	Nat 110UE	1500	180	
Basin Drlg	8	dsl	750	C-E D2M	820	130	
	15	dsl	1000	MC U712AM	1200	170	
Big Chief Drlg	46	d-e	3000	C-E Electrohoist III	4200	250	
Brinkerhoff-Signal	15	dsl	2000	G-D 1500	2000	200	
C E C Drlg	2	dsl	1100	MC U15	800	100	
Cactus Drlg Co	33	dsl	2000	Nat 110	2550	200	
Continental Drlg	34	d-e	3200	Idco E2100	2100	250	
Dual Drlg	20	dsl	2250	Oiwl 860	1400	220	
	32	d-e	2800	Oiwl 840	1500	220	
Eason Oil	22	d-e	2600	C-E C1E	1500	210	
Enopco	1	dsl	2600	Nat 110M	2700	200	
	5	dsl	2000	Nat 80B	1800	180	
	6	dsl	2600	Nat 110M	2700	200	
FWA Drlg	19	dsl	1600	Wils Titan	1040	140	
Grace/T R G Drlg	11	d-e	2000	G-D 1100E	2400	180	
	130	d-e	2200	G-D 1100E	2400	180	
	135	d-e	2200	G-D 1500E	2400	220	
	136	d-e	2200	G-D 1500E	2400	220	
	137	d-e	2200	G-D 1500E	2400	220	
Mercury Drlg	7	dsl	2000	G-D 800M	2100	180	
	10	dsl	2000	G-D 800	2100	180	
Moran Drlg, E W	22	d-e	3200	C-E C3	3000	300	
	25	d-e	3200	G-D 3000E	3200	400	
	27	d-e	3200	G-D 1500E	2000	250	
Nicor Drlg	10	dsl	2000	MC U914C	1500	180	
	11	dsl	2300	MC U1220B	2000	210	
	12	dsl	1170	G-D 700M	700	130	
	30	dsl	2000	MC U914C	1500	180	
	33	d-e	2000	MC U914EC	1500	210	
	45	d-e	2700	MC U1220EB	2000	250	
	47	dsl	2600	C-E C3E	2000	250	
	49	d-e	3200	G-D 1500E	2000	250	
	69	d-e	3200	MC U1220EB	2500	300	
Noble Drlg	N-117	e-s	3645	Nat 110UE	3645	200	
Parker Drlg	203	dsl	2600	OIME E2000	2000	250	
	213	dsl	2200	OIME SL1500	2200	220	
Pilgrim Drlg	3	d-e	2500	Idco Z100E	2500	250	
Quarles Drlg	11	dsl	2700	MC U914C	2400	220	
Ratliff Drlg	17	dsl	700	Nat 50A	700	120	
Resource Drlg	9	dsl	2330	Nat 110	2740	180	
Rowan Drlg US	30	dsl	2600	C-E A1500	2400	220	
Santa Fe Drlg	SFM 3	dsl	1250	OIME 1000SL	900	140	
Top Drlg	7	d-e	2000	Oiwl 760E	1000	200	
Tri-Service Drlg	10	dsl	1800	Oiwl 860	1800	210	
Triad Drlg	10	dsl		G-D 700	1100	150	
Unit Drlg & Expl	20	dsl	1000	G-D 700	1300	160	
Viersen & Cochran Drlg	6	dsl	2000	Beth 1013	2400	250	
CANADIAN							
American Western Energy Corp	16	gas	850	C-E 500	600	105	
ACT Drlg	3	dsl	600	Wils 42	700	100	
Basin Drlg	6	dsl	600	GD 700M	820	120	
Beard Drlg (OK)	5	dsl	1379	C-E D2	1029	150	
Bonray Drlg	3	dsl	900	S/B N7	900	105	
Culver Drlg	5	dsl	800	G-D 800	800	160	
	22	dsl	800	Coop 750	800	95/4"	
Exeter Drlg	52	dsl	800	MC U36	600	105	
	54	dsl	1000	Beth 1350	1100	180	
FWA Drlg	7	dsl	1500	Wils Titan	1040	140	
Loffland Bros	111	d-e	3300	C-E A1500	2200	240	
Maratan Resources	2						
Mercury Drlg	15	dsl	2700	Nat T1320M	3225	250	
Moran Bros	31	d-e	2900	Idco E2500	2500	250	
	33	d-s	2300	Nat 110UE	1500	200	
	35	d-e	1700	Oiwl 76	1000	150	
	36	d-s	2300	S/B N12	1500	200	
Ratliff Drlg	8	g-b	1020	Nat 50A	1020	100	
Sabre Drlg Div Grace Sabre	8	dsl	1385	MC U15	1050	90	
Santa Fe Drlg	SFM 1	dsl	920	Nat 50A	450	110	
Top Drlg	2	dsl	1200	Oiwl 660	1200	140	
U R C Drlg	3	dsl	860	MC U36A	860	125	
	6	dsl	1600	Idco BIR7585		105	
Unit Drlg & Expl	8	dsl	1000	Nat 55	1588	150	
CARTER							
Dual Drlg	5	dsl	1200	Wils Mogul	800	95	
Exeter Drlg	62	dsl	1000	Nat 110M	1100	170	
Jones Drlg Corp	6	dsl	500		400	70	
	8	gas	700		700	120	
	9	gas	816		800	140	
	18	dsl	600		600	80	
Kingery Drlg	10	gas	300	Wils Giant	300	50	
Little-Deutag	T-11	dsl	1700	Nat 80B	1000	154	
Magic Circle Drlg	12	dsl	900	Nat 50A	900	120	
Nicor Drlg	42	d-e	2000	MC U914EC	1500	210	
Noble Drlg	N-133	e-s	3300	Nat 1320UE	1320	250	

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With

OKLAHOMA (Cont'd)

CHOCTAW

Exeter Drlg	51	dsl	600	MC U36	600	105
Moran Drlg, E W	17	dsl	2000	Wils 250	2000	220

CIMARRON

Gabbert-Jones	11	dsl	310	Nat 370	450	60

CLEVELAND

Bonray Drlg	8	dsl	850	Coop 750	650	100
Johnson Bates Drlg	14	dsl	700	MC U15	450	75
ONEOK Drlg	5	dsl	1310	MC U15	900	105
Ratliff Drlg	10	gas	1020	Nat 50	1020	100
	16	dsl	750	MC U15	750	100
Top Drlg	6	dsl	350	Nat T32	350	75

COAL

Bodard & Hale Drlg	7	dsl	550	Beth S55	600	80
	8	dsl	650	MC U36A	1100	135
Johnson Bates Drlg	3	dsl	1100	MC U34	1100	105

COMANCHE

Bonray Drlg	9	d-e	3000	Olwl E2000	2000	250
Continental Drlg	4	d-e	3200	Idco E2100	2000	250
	7	d-e	3200	Idco E3000	3000	300
	10	d-e	3200	Idco E2100	2000	250
	13	d-e	2000	Idco ED1200	1200	160
Drillers	48	d-e	3600	Idco E3000	3000	300
Eason Oil	23	d-e	3200	C-E C3E	3000	300
JFP Well Serv	8	dsl	2000	Olwl E2000	2000	250
Loffland Bros	19	d-e	3200	C-E C3000	3300	350
	200	d-e	3300	C-E 3000 Type II	3300	500
Murco Drlg	42	d-s	2800	Olwl E2000	2000	250
Nicor Drlg	29	d-e	2700	G-D E1500	2000	250
	35	d-e	2000	MC U914EC	1500	210
	70	d-e	2700	G-D 1500E	2000	250
Ratliff Drlg	1	dsl	2640	Olwl 96	2640	240
	20	dsl	3800	UIZZOEB	2500	300
Resource Drlg	RD-21	dsl	2330	Nat 110	2740	180
	32	dsl	1040	Nat 610	1220	120
Rowan Drlg US	9	d-e	2600	Nat 1625DE	2000	250
Santa Fe Drlg	SFW-22	d-e	2600	Nat 110UE	1500	170

CREEK

Hughes Drlg	5	dsl	550	Idco H35	400	62
Scott Drlg, Jerry	10	dsl	400	Crdw 450	450	60
Whitehead Drlg Contr	1	dsl	450	Wils Model 30	425	40

CUSTER

Arden Drlg	13	dsl	1600	Idco H7-11	700	120
Big Chief Drlg	37	gas	1350	C-E J1250	1350	160
Bonray Drlg	4	dsl	900	MC U40	900	120
Continental Drlg	16	d-e	2000	Idco ED1200	1200	160
Cothrum Drlg	18					
Drillers	42	d-e	3000	C-E Electrohoist II	3000	250
Dual Drlg	33	d-e	2800	Olwl 840	1500	220
Eason Oil	18	d-e	2300	C-E C1E	1500	210
FWA Drlg	34	dsl	2200	Olwl 760	1560	150
Grace/T R G Drlg	1	dsl	1245	Nat 75	1305	145
Helmerich & Payne Intl Drlg	49	dsl	1650	Nat 110	1815	180
	95	d-s	1600	Nat 80UE	800	150
Lagersen Drlg	7	d-e	2000	C-E C1E	2500	220
Lanex Drlg	B-18	d-s	2700	G-D 1100E	1500	200
	B-20	d-s	2600	C-E EHII	2000	200
Loffland Bros	32	d-e	4000	C-E CE3000	3300	350
	196	d-e	3300	MC U1220	2200	280
	244	d-e	2500	MC U1220E	2200	280
Magic Circle Drlg	17	dsl	2460	Olwl 96	2460	200
Moran Drlg, E W	4	dsl	1600	Wils 120	1100	150
	5	dsl	1850	Wils 120	1100	180
	10	d-e	2600	G-D 1500	2000	250
	11	dsl	2600	Wils 150A	1650	200
Nicor Drlg	31	d-e	2000	MC U914EC	1500	210
	64	d-m	1750	C-E GB800	1000	150
ONEOK Drlg	8	dsl	1110	S/B N55	700	135
	12	d-e	2000	Olwl 840E	2000	200
Parker Drlg	205	dsl	2200	OIME 1500C	2200	220
	210	dsl	2200	OIME 1500C	2200	220
Pilgrim Drlg	4	d-e	2000	Olwl 840EHD	2000	220
Quarles Drlg	9	dsl	2000	OIME SD 7E	1000	220
Santa Fe Drlg	SFDLII-21	d-e	2600	Nat 110UE	1500	170
	SFM 15	dsl	1450	BDW 800MI	800	150
	SFW-17	d-e	1300	Nat 100	2000	140
Triad Drlg	7	dsl		G-D 800	1100	160
Unit Drlg & Expl	25	dsl	600	G-D 700	1300	160
	26	gas	600	Nat 75	600	150
Viersen & Cochran Drlg	15	dsl	1010	Olwl 660	830	130
	17	dsl	600	Olwl 660	830	120
Warrior Drlg	2	dsl	1600	S/B 75	1200	150
Wilson Bros Drlg	15	dsl	2600	Nat 110	2700	200

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With

OKLAHOMA (Cont'd)

DEWEY

Arden Drlg	7	dsl	1700	OIME SL7	1500	150
	14	dsl	1300	Nat SS	700	120
Beard Drlg (OK)	2	gas	1200	MC U15	800	120
Brinkerhoff-Signal	68	dsl	700	Nat 55	700	125
Cactus Drlg Co	3	dsl	1800	Nat 80B	1650	150
Eason Oil	12	dsl	2000	Nat 80B	1200	160
	25	d-e	2600	C-E C1E	1500	210
Exeter Drlg	58	dsl	800	Nat55	1000	120
Grace/T R G Drlg	2	dsl	825	G-D 500M	870	115
Helmerich & Payne Intl Drlg	55	dsl	1100	Nat 55	1210	140
	84	d-s	1700	Olwl 760E	760	160
Hickman Drlg	5	dsl	1450	BDW 800	1100	150
Lanex Drlg	A-12	d-s	1600	C-E D2	750	130
Loffland Bros	73	d-e	2160	MC U712A	2200	180
Mercury Drlg	1	dsl	2000	C-E GB800	1470	160
	2	dsl	1500	MC U15	950	120
ONEOK Drlg	1	d-m	1150	MC U15	800	130
Quarles Drlg	4	gas	1400	C-E GB 500	500	120
	8	dsl	2000	OIME SD 7E	1000	220
Rine Drlg	5	dsl	700	S/B N55	700	90
Schiensker Drlg	10	gas	900	G-D 800M	1350	160
Triad Drlg	6	dsl		S/B N95A	1650	200
Unit Drlg & Expl	22	gas	495	Nat 50	600	100
	24	dsl	600	G-D 800	1200	150
Viersen & Cochran Drlg	2	dsl	600	Nat 55	800	120
Warrior Drlg	5	dsl	2000	BDW	1200	150

ELLIS

Forex Neptune and/or Affil	48	d-e	3200	G-D 1100E	1500	180
Gabbert-Jones	3	dsl	410	C-E 350	475	80
Grace/T R G Drlg	15	dsl	1245	Nat 75CA	1305	150
Nicor Drlg	63	dsl	2650	Olwl 96	1500	180
Robinson Bros Drlg	21	dsl	1500	BDW 650M	1300	140
Santa Fe Drlg	SFM 9	dsl	1600	BDW 800MX	800	160
Top Drlg	4	dsl	1200	Olwl 660	1200	140
Unit Drlg & Expl	11	dsl	1100	G-D 700	1300	150
Zenith Drlg	9	dsl	1200	G-D 800	1200	170

GARFIELD

Arden Drlg	2	dsl	800	C-E WS1	800	120
Hughes Drlg	1	dsl	550	Idco H35	475	80
	2	dsl	550	Idco H35	475	80
	3	dsl	1100	Idco 725	900	130
	4	dsl	600	Idco H44	700	90
	16	dsl	650	Speedstar SS40	375	40
	17	dsl	650	Speedstar SS40	375	40
Iron Drlg	1	dsl	500	MC U35A	450	70
Logan Drlg	4	dsl	1200	BDW 650	900	100
Mendenhall Drlg	2	dsl	450	Beth S45E	600	80
Nicor Drlg	7	dsl	1350	MC U15	700	115
	8	dsl	755	Nat 50CA	425	110
	14	dsl	1300	G-D 500M	650	100
	19	dsl	1650	Idco 750	750	150
Sabre Drlg Div Grace Sabre	4	dsl	600	Nat 370	525	75
	153	dsl	450	MC U34	450	60
Thomas Drlg	2	dsl	300	Nat T32	300	73
	8	dsl	300	Idco H35	300	75

GARVIN

Ardmore Drlg	4	gas	600	Wils	400	500
Bodard & Hale Drlg	12	dsl	450	MAC 400	525	75
Cactus Drlg Co	56	dsl	800	S/B N55	850	90
Drillers	30	dsl	800	Unit U15M	1000	110
Exeter Drlg	63	dsl	450	Coop 750	600	80
Helmerich & Payne Intl Drlg	8	dsl	1100	Nat 55	1210	140
Johnson Bates Drlg	9	dsl	700	Beth S50	450	75
Leeman Drlg	1	dsl	500	Coop 550	525	80
Noble Drlg	N-83	dsl	1530	Nat 80B	1530	150
	N-87	dsl	1200	Nat 80B	1200	150
R W I T Drlg	9	g-l	610	Wils	280	60
Resource Drlg	RD-28	dsl	1040	Nat 610	1220	120
Scott Drlg, Jerry	6	dsl	1342	MC U15	1342	105
Top Drlg	5	dsl	1000	MC U15	1000	100

GRADY

Arden Drlg	3	dsl	2500	C-E C1	1500	200
Big Chief Drlg	41	gas	1400	S/B N75	900	120
	42	dsl	1800	Nat 80	1800	150
	43	dsl	2000	Nat 80B	2250	180
	47	d-a	4000	G-D 3000E	3000	350
	48	d-a	4000	G-D 3000E	3000	350
Bonray Drlg	22	dsl	800	Idco H525	800	105
Cactus Drlg Co	35	d-e	3220	Nat 110UE	2000	200
Cothrum Drlg	19					
Dual Drlg	1	dsl	1000	Wils 75P	900	125
	4	dsl	2000	Nat 110	1500	190
	15	dsl	2700	Wils 150A	1650	190
Exeter Drlg	44	dsl	1000	G-D 800M	1100	150
	48	dsl	900	S/B N75	900	140
	55	dsl	900	Beth 800	900	150
	61	dsl	1000	Nat 80B	1100	170

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With

OKLAHOMA (Cont'd)

GRADY (Cont'd)

Forex Neptune and/or Affil	50	d-e	3200	G-D 1500E	2000	217
Grace/T R G Drlg	133	d-e	2000	G-D 1100E	2400	180
	134	d-e	2200	G-D 1500E	2400	220
Imperial Drlg	1	dsl		MC Unit 914C		200
	2	dsl		G-D PZ9	BDW 800	180
Loffland Bros	18	d-e	2600	MC U1220EB	2200	280
	99	gas	1300	MC U20	1300	150
	206	g-e	2160	MC U914B	2200	200
Magic Circle Drlg	16	gas	1300	Beth M810	1300	160
Mercury Drlg	8	dsl	2000	G-D M700	1400	170
Noble Drlg	N-115	dsl	2130	Nat 110	2130	200
	OW-23	e-s	3750	Olwl E2000	2000	250
Parker Drlg	172	dsl	1650	OIME SL1500P	1650	200
	179	dsl	3000	OIME Hercules 3000E	3000	300
	186	dsl	2200	OIME 1500C	2200	220
	196	dsl	3200	OIME E3000	3000	350
Quarles Drlg	7	dsl	1050	Nat 750A	800	140
Ratliff Drlg	14	dsl	2640	MC U1220B	2640	280
Resource Drlg	RD-29	dsl	1560	Nat 80B	1835	140
Santa Fe Drlg	SFM 8	dsl	2700	OIME SD7E	900	200
	95	d-e	2800	Olwl E2000	1500	200
Thomas Drlg	6	gas	600	Nat 50A	600	130
	9	dsl	640	S/B N48	640	130
Unit Drlg & Expl	10	dsl	1000	Beth M58	1300	155
	23	dsl	600	MC U15	600	100
Viersen & Cochran Drlg	18	dsl	1000	Nat		
Warrior Drlg	3	dsl	1800	Nat 100	1800	170

GRANT

American Western Energy Corp	14	gas	850	C-E 500	600	105
Astro Drlg	17	dsl	1050	Cbot 750	700	110
Exeter Drlg	49	dsl	600	Nat 50	600	105
Leben Drlg	11	dsl	500	G-D 3000	500	70
Mendenhall Drlg	1	dsl	450	Fail 90	318	50
Vaughn Good Drlg	1	dsl	500	Coop 600	500	90
	2	dsl	1100	Coop 650	600	120

HARPER

Beredco	1	dsl	800	MC U15	800	90
Challenger Drlg	3	dsl	700	Nat 50A	750	100
Hickman Drlg	2	dsl	1150	BDW 650	800	120
Rine Drlg	3	dsl	750	S/B N55	750	95
Robinson Bros Drlg	19	dsl	600	Olwl 52T	3000	80
Triad Drlg	2	dsl		S/B N45	550	90

HASKELL

Astro Drlg	23	dsl	1050	Cbot 2550	1040	150
Dual Drlg	2	dsl	1250	Wils Giant	650	95
Moran Drlg, E W	16	dsl	920	S-H 7000	450	95

HUGHES

R W I T Drlg	2	g-l	690	MC U34	280	60

JACKSON

Luke Grace Drlg	2	dsl	500	MC U15	750	105
Moran Drlg, E W	26	dsl	1000	CEI 75D	750	110
Vi-Roi Drlg	1	dsl	435	Wils Mogul 42	435	65

JEFFERSON

Drillers	26	dsl	700	C-E GB500	700	100
Jones Drlg Corp	7	gas	700		750	120
	14	dsl	1200		1200	140
	15	dsl	900		1000	140
Moran Drlg, E W	15	dsl	950	Beth S55	550	100
Nicor Drlg	5	dsl	1200	Beth C50	450	100
Pilgrim Drlg	1	dsl	800	Idco H35	600	120
	2	dsl	1500	Olwl 76	1500	160
	5	dsl	775	Nat 50CA	950	120
Roberson Drlg	1	gas	600	C-E	400	70
	3	gas	700	MC U15	600	100

KAY

Hughes Drlg	6	dsl	550	Idco H35	400	62
Kay Drlg	1	dsl	480	S/B N4	480	60
Sabre Drlg Div Grace Sabre	6	dsl	450	Nat T20	335	60

KINGFISHER

American Western Energy Corp	12	gas	950	C-E 500	600	105
Astro Drlg	15	dsl	912	Wils Super Giant	912	105
	18	dsl	556	Idco H1000	940	120
	21	dsl	2500	Nat 100	1500	180
	28	d-e-s	2000	I-R 2550	1500	160
Beard Drlg (OK)	1	gas	675	C-E G450	450	100
	4	dsl	1379	MC U10	1029	140
Magic Circle Drlg	15	dsl	900	MC U15	900	120
Thomas Drlg	5	dsl	425	Wils Giant	400	89
Top Drlg	1	dsl	650	S/B N7	900	100

OKLAHOMA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With
KIOWA							
Moran Drlg, E W	30	d-e	3200	G-D 1500E	2000	300	
Unit Drlg & Expl	27	dsl	1600	G-D 1500	2400	250	
LATIMER							
Arden Drlg	4	dsl	1800	C-E D2	1000	160	
Cactus Drlg Co	29	dsl	2000	Nat 110	2550	200	
Dual Drlg	18	dsl	1500	Beth M-810	1000	150	
Exeter Drlg	46	dsl	900	S/B N75	900	140	
Grace Miller Drlg	117	dsl	1000	OIME SL7	1500	200	
Grace/T R G Drlg	19	d-e	2200	G-D 1500E	2400	220	
Lanex Drlg	A-15	d-s	2000	C-E D3	1000	160	
	B-12	d-s	1600	C-E D2	750	130	
Moran Drlg, E W	14	dsl	1600	Wils 150	1650	150	
Quarles Drlg	1	dsl	1500	OIME 750	750	145	
Unit Drlg & Expl	17	dsl	700	S/B N75	1300	150	
	29	dsl	1000	S/B N75	1200	160	
LEFLORE							
Arden Drlg	15	dsl	2000	OIME SL7	1000	160	
LINCOLN							
Bodard & Hale Drlg	5	dsl	450	MC U34	425	65	
LOGAN							
Basin Drlg	1	dsl	600	G-D 500M	820	100	
	2	dsl	600	G-D 500M	820	110	
	3	dsl	500	G-D 500M	820	100	
	4	dsl	1600	G-D 700M	820	140	
	9	dsl	600	G-D 500M	820	100	
	10	dsl	600	G-D 500M	820	100	
	13	dsl	1470	G-D 700M	1220	140	
	14	dsl	1470	G-D 700M	1220	140	
Exeter Drlg	60	dsl	600	Nat 50	600	90	
Grace Miller Drlg	108	gas	450	MC U15	450	80	
	122	dsl		BDW 800		150	
Hughes Drlg	7	dsl	550	Idco H37	475	80	
	15	dsl	550	Cbot 550	475	80	
Porter Drlg, Gene	1	dsl	600	MC U34	435	60	
Sabre Drlg Div Grace Sabre	9	dsl	450	MC U34	450	60	
Scott Drlg, Jerry	7	dsl	350	Crdw L350	600	80	
	8	dsl	1520	MC U15	1000	110	
Sloan Drlg	18	dsl	450	Wils 42	450	70	
Smith Bros Drlg	7	dsl	450	Cbot 5000	450	50	
	8	dsl	725	RMI 800	800	100	
	9	dsl	1200	Wils 75	950	125	
LOVE							
Ardmore Drlg	2	gas	700	Wils Giant	700	90	
	3	gas	1350	Idco M10000	1350	125	
	5			Idco		185	
Big Chief Drlg	12	gas	1600	Nat 80B	1600	140	
Burns L D Drlg	1	dsl	1360	Sea Coast 10004S	780	140	
Grace/T R G Drlg	75	d-e	2200	Nat 1320UE	2400	220	
U R C Drlg	2	dsl	1100	Nat 100	1100	150	
McCLAIN							
Culver Drlg	2	dsl	700	Nat 50A	700	120	
Drillers	27	dsl	700	C-E GB500	750	100	
	39	d-e	1200	Idco 700E	1000	140	
Exeter Drlg	47	dsl	600	MC U36	600	105	
	50	dsl	900	S/B N75	900	140	
Johnson Bates Drlg	8	dsl	1000	Wils Giant	1050	120	
	15	dsl	1350	Wils Titan	1575	140	
Moran Drlg, E W	7	dsl	1600	G-D 700	800	130	
ONEOK Drlg	10	dsl	3000	Nat 110M	1500	200	
Sabre Drlg Div Grace Sabre	7	dsl	1050	MC U15	450	75	
Sloan Drlg	14	dsl	370	Nat T20	500	65	
Triad Drlg	5	dsl		Idco Super 750	1100	140	
Trigg Drlg	4	dsl	700	Nat 75	950	120	
	5	g-b	500	Nat 50A	800	100	
Viersen & Cochran Drlg	4	dsl	600	Nat 55	800	120	
MAJOR							
Bonray Drlg	6	dsl	700	Nat 50A	700	90	
Cimarron Oper	1	dsl	750	Idco BIR5525	450	65	
	2	dsl	1230	Idco H725	950	100	
	5	dsl	1230	Idco DIR7015	608	85	
Exeter Drlg	59	dsl	600	Nat 50	600	105	
Hickman Drlg	6	dsl	1450	BDW 800	1100	150	
Rine Drlg	7	dsl	750	G-D 700	750	135	
Top Drlg	3	dsl	400	Otwl 500	450	85	
U R C Drlg	1	dsl	860	Nat 50	860	100	
Viersen & Cochran Drlg	22	dsl	1245	Nat 610	1245	120	
MURRAY							
Compadre Drlg & Expl	1	dsl	360	W-N A25040	360	60	
Noble Drlg	N-85	dsl	1830	Nat 80B	1830	150	

OKLAHOMA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With
NOBLE							
Bodard & Hale Drlg	4	dsl	450	MC U34	400	65	
Bonray Drlg	7	dsl	476	Coop 66	318	60	
Hughes Drlg	9	dsl	550	Cbot 550	475	80	
McLennan Drlg	3	dsl	450	Cbot 658	318	45	
Sumpter & Barker Drlg	1	dsl	930	Wils Mogul 42	430	65	
NOWATA							
Winter Drlg & Expl	1	dsl	900	Jaswell J2400	900	24	
OKFUSKEE							
Scott Drlg, Jerry	5	dsl	375	Beth S45	375	60	
OKLAHOMA							
Basin Drlg	7	dsl	850	MC U36A-M	820	80	
	16	dsl	1350	MC U914CM	1400	220	
	17	dsl	1350	MC U914CM	1400	220	
Big Chief Drlg	30	gas	1515	Idco 1050	1515	150	
Bigard Drlg, James	11	d-e	2000	Idco ED1200	2000	200	
	18	d-e	2000	Idco ED1200	2000	200	
C E C Drlg	5	dsl	2400	G-D 800	1600	180	
	6	dsl	2400	G-D 800	1600	180	
Cliffs Drlg	38	d-e	2800	Otwl 840E	3300	180	
Drillers	21	dsl	300	C-E GB350	450	60	
	40	d-e	2100	G-D 1100E	2100	220	
Eason Oil	17	dsl	2300	C-E C1	1500	210	
	19	dsl	1800	C-E D2	750	130	
	20	d-e	2000	C-E D3	1000	160	
	21	d-e	2000	C-E D2	750	130	
	24	d-e	2600	C-E C1E	1500	210	
Falcon Drlg	1	dsl	600	Beth S45A	400	70	
Johnson Bates Drlg	2	gas	325	MC U34	245	65	
	5	dsl	1000	MC U15	1100	100	
Lanex Drlg	C-9	d-s	1600	BDW 650	650	120	
Mercury Drlg	3	dsl	2000	Otwl 96	2100	220	
	5	dsl	2700	G-D 1100	3225	220	
	6	dsl	1500	C-E 500	1425	140	
	12	dsl	2000	G-D 800	2100	200	
	14	dsl	2000	MC U914	2100	220	
Nicor Drlg	1	dsl	1700	MC U20	1200	150	
	3	dsl	785	MC U15	700	115	
	28	dsl	1000	MC U15	700	115	
	54	d-m	400	Idco H35CKD	400	43	
	65	d-e	2700	MC U914EC	1500	210	
	71	d-e	2000	MC U914EC	1500	210	
Parker Drlg	43	gas	1800	Otwl 96	1800	200	
	47	gas	1400	OIME 1500C	1400	200	
	54	gas	1800	Nat 130	1800	250	
	71	gas	1600	Nat 125	1600	200	
	114	d-e	2700	Idco 3000E	3000	300	
	142	dsl	2600	Nat 1320E	3000	250	
	164	dsl	1650	OIME SL1500P	1650	200	
	178	dsl	2200	OIME SL1500P	2200	220	
	181	dsl	3000	OIME Hercules 3000E	3000	300	
	204	dsl	2200	OIME E1500C	2200	220	
	208	gas	2200	Idco 711	2200	180	
	217	dsl	3200	OIME E2000	2000	250	
Plotner Drlg	2	dsl	1000		2000	200	
Ratliff Drlg	7	g-b	1020	Nat 75CB	1020	150	
	11	dsl	850	S/B N7	850	100	
	12	dsl	700	G-D 500M	700	120	
S & T Drlg	8						
	11						
Sandia Drlg	1	dsl	3000	G-D E800	3000	180	
	2	dsl	4000	C-E C1	4000	220	
	3	dsl	3000	C-E D3	3000	180	
	4	dsl	4000	C-E C1	4000	220	
	5	dsl	2000	C-E D2	2000	160	
Santa Fe Drlg	SFDLI-20	d-e	3400	Otwl E2000	2000	250	
	SFW-7	d-e	2600	C-E C3111	3000	300	
Schiensker Drlg	11	dsl	2400	G-D 1100M	2400	200	
Seneca Drlg	1	d-e	800	MC U36EA	800	140	
	2	d-e	800	MC U36EA	800	140	
	3	d-e	800	MC U36EA	800	140	
Tierra Drlg	18	d-e	800	BDW 650	650	120	
TWT Expl	54	dsl				100	
Unit Drlg & Expl	2	dsl	700	MC U15	800	125	
Viersen & Cochran Drlg	10	dsl	2000	Nat 100	1040	170	
	12	gas	500	Nat 50	800	90	
Warrior Drlg	1	dsl		C-E	400	50	
Wilson Bros Drlg	1	d-e	2600	Idco E2100	2100	210	
	14	dsl	2600	Nat 110	2700	200	
	16	dsl	2600	Nat 1320	2700	300	
	22	d-e	2800	Otwl E2000	2000	250	
OSAGE							
Equity Drlg	150	dsl	300	Fail 2500	300	30/ 3.5"	
McLennan Drlg	4	dsl	318	G-D	238	20	
	5	dsl	450	Cbot 658	318	40	
Winter Drlg & Expl	4	dsl					

OKLAHOMA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With
PAYNE							
Arden Drlg	21	dsl	300	Coop M21	300	50	
Bodard & Hale Drlg	6	dsl	600	Nat T20	450	65	
Johnson Bates Drlg	4	dsl	400	MC U34	375	65	
Venture Drlg	1	dsl	550	Cbot 750	750	75	
PITTSBURG							
Alexander Drlg	2	dsl	1200	C-E G42	800	125	
	3	dsl	1000	C-E J1100	1200	150	
Cactus Drlg Co	51	dsl	700	S/B N55	850	90	
Dual Drlg	10	dsl	1250	Wils 120	1100	150	
FWA Drlg	10	dsl	1150	Wils Giant	720	115	
Grace Miller Drlg	102	gas	675	MC U15	675	120	
New Prospect Drlg	2	ds-	1000	S/B N75	1100	160	
R W I T Drlg	8	g-l	601	MC U34	280	60	
Unit Drlg & Expl	5	dsl	600	MC U15	800	120	
PONTOTOC							
American Western Energy Corp	10	dsl	1050	Cbot 750	700	80	
Bauich Drlg	1	dsl	350	S/B N4	275	48	
Bodard & Hale Drlg	9	dsl	550	Beth S55	700	90	
Cactus Drlg Co	57	dsl	550	Idco H35	450	65	
Royal Drlg	1	dsl	300	C-E GB160	675	42	
T E K Drlg	F1500	gas	350	Fail 1500	350	15	
	WS	dsl	265	Wils Super	265	45	
POTTAWATOMIE							
Bodard & Hale Drlg	10	dsl	450	Otwl 52T	600	90	
	11	dsl	450	MAC 300	450	65	
	14	dsl	450	S/B N4	450	65	
	15	dsl	450	MAC 400	525	75	
	16	dsl	450	Idco H37	450	65	
Challenger Drlg	26	dsl	30	Nat T20	600	50	
Johnson Bates Drlg	1	gas	350	MC U34	300	57	
Rockwell Drlg	18	dsl	670	MC U34	450	50	
Scott Drlg, Jerry	2	dsl	420	MC U34	430	65	
Sloan Drlg	12	dsl	370	S/B N4	475	65	
ROGER MILLS							
Arden Drlg	5	d-e	2400	C-E D3	2000	180	
	9	d-e	2000	C-E D2	1000	140	
Bonray Drlg	5	gas	700	Nat 50A	700	90	
Challenger Drlg	32	dsl	2400	Nat 1320	2400	200	
	37	dsl	2400	Idco 2500	2400	280	
Continental Drlg	1	d-e	3200	Idco E2100	2000	250	
Forex Neptune and/or Affil	52	d-e	3200	G-D 1500E	2000	217	
Grace/T R G Drlg	16	d-e	1500	G-D 800	1800	160	
	17	d-e	2200	G-D 1500E	2400	220	
	132	d-e	3000	G-D 3000E	3000	300	
Helmerich & Payne Intl Drlg	44	dsl	1650	Nat 110	1815	220	
	82	d-s	2800	Otwl E2000	2000	280	
	92	d-s	2000	Nat 110ME	1500	200	
	93	dsl	1600	Nat 80B	800	150	
	97	d-s	3400	Otwl E2000	2000	280	
Loffland Bros	123	gas	1975	Nat 130	2200	280	
	218	d-e	3300	MC U1220E	2200	280	
	311	dsl	2250	G-D 1500	2500	240	
Moran Drlg, E W	2	dsl	1500	G-D 700	800	150	
Nicor Drlg	55	d-e	2000	MC U914EC	1500	210	
Noble Drlg	OW-841	e-s	2775	Otwl 840E	1400	200	
ONEOK Drlg	7	d-e	1486	G-D 800E	1000	170	
Parker Drlg	218	gas	1400	OIME 1000C	1400	180	
Quarles Drlg	3	dsl	2000	OIME 1000	1000	180	
Rowan Drlg US	14	dsl	3200	Nat 1625M	3000	350	
	31	dsl	3200	Nat 1625	3300	300	
Slawson Drlg	8	dsl	750	Idco H725	750	145	
	9	dsl	1400	Idco H900	950	165	
Tri-Service Drlg	12	d-s	3300	Otwl E2000	2000	250	
Triad Drlg	8	dsl	2250	G-D 1500	2250	240	
Viersen & Cochran Drlg	1	dsl	800	Otwl 660	800	120	
	3	dsl	800	Nat 75CA	800	140	
	5	dsl	600	Otwl 660	800	120	
	21	dsl	1500	Nat 80B	1500	185	
Wilson Bros Drlg	17	dsl	2600	Nat 110	2700	200	
	18	dsl	1300	Nat 110	3300	200	
SEMINOLE							
Hughes Drlg	10	dsl	550	Cbot 550	475	80	
Johnson Bates Drlg	7	dsl	1000	Wils Titan	1350	120	
Rockwell Drlg	24	dsl	450	MAC 300	450	50	
Scott Drlg, Jerry	4	dsl	600	Beth C50	640	100	
Sloan Drlg	10	dsl	370	MC U34	475	65	
	16	dsl	400	Wils 42	600	70	
	20	d-e	1000	Wils 90EH	1000	140	
STEPHENS							
Adeco Drlg & Engr	17		690	OIME SL750	1035	140	
Arden Drlg	10	d-e	2000	C-E D3	1200	160	
Ardmore Drlg	1	dsl	450	Idco H30-D	450	50	
Basin Drlg	5	dsl	900	C-E D2-M	820	130	
Bonray Drlg	1	dsl	1230	Otwl 760	1230	160	

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With

OKLAHOMA (Cont'd)

STEPHENS (Cont'd)

Challenger Drlg	23	dsl	1800	G-D 11100	2700	180
Grace/T R G Drlg	14	d-e	2000	G-D 1100E	2400	180
Jones Drlg Corp	2	dsl	385		385	50
	3	gas	400	Beth S45	400	70
	10	dsl	2000		2000	200
	11	dsl	600		600	100
	16	dsl	850		1400	160
Lanex Drlg	B-15	d-s	2000	C-E D3	1000	160
Little-Deutag	T-2	dsl	1300	Idco H525D	670	85
	T-37	dsl	1600	Coop LTO750	750	100
Loffland Bros	104	d-e	3300	C-E 3000	3300	350
Nicor Drlg	2	dsl	1500	MC U15	700	120
Ratliff Drlg	9	gas	700	Nat 50A	1020	110
Thomas Drlg	1	dsl		S/B N42		110
	11	dsl	300	Wich R-6	300	60
Vi-Roi Drlg	2	dsl	120	HT 100	210	30

TEXAS

Damac Drlg	6	dsl	550	Cbot BIR550	450	65
Robinson Bros Drlg	17	dsl	600	G-D 500	650	90
Service Drlg (TX)	2	dsl	450	MC U34	450	60
Triad Drlg	1	dsl		Nat T32	475	80

TILLMAN

Little-Deutag	T-12	dsl	1300	Idco H525D	670	85

TULSA

Winter Drlg & Expl	2	dsl	900	Jaswell J2400	900	24

WASHINGTON

Equity Drlg	175	dsl	300	Wils Super 38	300	42

WASHITA

Bonray Drlg	2	dsl	1650	Ohwl 860	1650	200
	20	dsl	1680	Idco Super 711	1680	170
	30	dsl	2400	Nat 1320	2400	250
	31	dsl	2400	Nat 1320	2400	250
	32	dsl	1600	Nat 110	1600	200
Cactus Drlg Co	6	dsl	1300	Idco 711	1100	140
Challenger Drlg	6-E	dsl	900	Nat 80E	1000	140
Continental Drlg	32	d-e	2600	Idco E1700	1700	190
Drillers	10	dsl	1600	Nat 100M	1600	180
	44	d-e	2000	G-D 2000	2000	250
Haning & Young Drlg	151	d-e	2000	S/B NE95	1700	180
Helmerich & Payne Intl Drlg	48	dsl	1640	Nat 110	1820	220
	78	d-s	2000	Nat 110UE	1500	200
	80	d-s	2200	Nat 110UE	1500	200
	96	d-s	1600	Nat 80UE	800	150
	99	d-s	3400	Ohwl E2000	2000	260
Lagersen Drlg	8	d-e	2000	C-E CIE	2500	220
Lanex Drlg	B-16	d-s	2000	G-D 800E	1000	160
Loffland Bros	227	dsl	2400	MC U914A	2500	220
	324	dsl	2250	G-D 1500	2500	240
	327	dsl	2250	G-D 1500	2500	240
Magic Circle Drlg	18	d-e	4000	C-E C2	2000	250
Moran Drlg, E W	9	dsl	2600	Wils 150	1500	180
	28	d-e	3200	G-D 3000E	3000	400
Murco Drlg	50	d-s	2200	Ohwl 860E	2000	180
	54	d-s		G-D 1100E		180
Noble Drlg	GD2	dsl	3135	G-D 2100	3135	250
ONEOK Drlg	11	d-e	2000	Nat 110UE	2000	200
Parker Drlg	170	dsl	1650	OIME SL1500P	1650	200
	214	gas	2200	OIME 1500C	2200	220
Quarles Drlg	12	dsl	2700	MC U914C	2400	220
Ratliff Drlg	8	dsl	1100	Nat 75CS	1100	150
	30	dsl	1650	Texas Flange	1650	180
Resource Drlg	RD-27	dsl	1560	Nat 80B	1835	140
Rowan Drlg US	5	dsl	3200	Nat 1625M	3000	350
Trigg Drlg	9	d-e	2700	Beth 1350MX		220
Unit Drlg & Expl	21	dsl	1000	G-D 700	1300	160
	28	d-e	1600	G-D 1500E	2000	250
	30	dsl	2350	Beth 1350M	1800	200
Warrior Drlg	4	dsl	1800	BDW	1000	170

WOODS

Damac Drlg	2	dsl	310	Wils Giant	310	66
Magic Circle Drlg	11	dsl	900	Nat 50A	900	100
	14	dsl	320	Cbot 2042	700	95
Rine Drlg	8	dsl	700	S/B N55	700	85
Sage Drlg	8	dsl	900	BDW 650	800	120

WOODWARD

Continental Drlg	12	d-e	2000	Idco ED1200	1200	160
Drillers	11	d-h	1500	Automatic H2000	2000	120
	36	dsl	600	C-E GB350	700	85
Exeter Drlg	53	dsl	600	C-E GC450	600	105
Hickman Drlg	3	dsl	1200	BDW 650	800	120
ONEOK Drlg	6	dsl	1110	MC U15	700	110
Search Drlg	1	dsl	640	Nat T32	640	60
	2	dsl	950	Idco H725C	950	100
	3	dsl	956	Idco H725C	950	100
	4	d-e	2700	G-D 1500E	3000	240
	6	d-e	2000		1000	140

OKLAHOMA (Cont'd)

WOODWARD (Cont'd)

Triad Drlg	3	dsl		S/B N55	800	120
Unit Drlg & Expl	9	dsl	600	S/B N55	1050	120
	14	dsl	1000	G-D 700	1300	160
Viersen & Cochran Drlg	20	dsl	1245	Nat 610	1245	130

OREGON

DOUGLAS

Taylor Drlg	5	dsl	750	MC U34	375	60

PENNSYLVANIA

UNDESIGNATED

International Petr Serv	3	dsl	350	CPT750DH	285	45

ARMSTRONG

Delta Drlg	79	dsl	255	Idco H35KD	291	60

CLEARFIELD

Fairman Drlg	5	dsl	400	Crdw	350	40
	6	dsl	350	Idco H44	550	80
	7	dsl	350	Idco H44	550	80
	8	dsl	350	Idco H44	550	80
	9	dsl	400	Idco H44	500	80
	15	dsl	300	Idco	300	50

ERIE

Union Drlg	2	dsl	1200	Idco BIR5525	425	60
	7	dsl	1200	Cbot 500	425	65
	8	dsl	1200	Idco BIRH37	425	65
	10	dsl	1200	Idco BIR5535	425	75
	11	dsl	1200	S-H 5000	350	50
	12	dsl	1200	Cbot 500	425	65
	13	dsl	1200	Idco BIR5525	425	60
	14	dsl	1200	Crdw KB250	425	65

INDIANA

Delta Drlg	72	dsl	250	S-H 7000	440	90
	77	dsl	250	Idco H35KD	291	60
	78	dsl	250	Idco H35KD	291	60
	84	dsl	1800	C-E D3 Type III	1560	160
	92	dsl	255	Idco H35KD	291	60
Fairman Drlg	10	dsl	400	Wils Mogul 42	350	50
	12	dsl	400	Idco	250	50
	14	dsl	400	S/B	350	75

JEFFERSON

Delta Drlg	91	dsl	255	Idco H35KD	291	60
Fairman Drlg	11	dsl	400	Idco H44	500	80

MERCER

P E P Drlg	5	dsl	550	G-D 500M	500	70
	8	dsl	550	G-D 500	500	100

POTTER

Delta Drlg	67	dsl		S-H 7000	480	90

SOMERSET

Delta Drlg	71	dsl	1000	S-H 7000	440	90

WARREN

International Petr Serv	5	dsl	475	Wils 42	475	75

SOUTH DAKOTA

HARDING

Cardinal Drlg	9	dsl	1120	Nat 50CA	720	115
	15	dsl	1060	C-E GA500	760	100
Elenburg Expl	3	dsl	320	W-N CC2000	230	25

TENNESSEE

CLAIBORNE

Union Drlg	6	dsl	1200	S/B DH4210	425	80

CUMBERLAND

Delta Drlg	83	dsl	2600	C-E C1 Type III	2331	180

FENTRESS

Norman Drlg, James R	1	dsl	750	I-R	450	25
	2	dsl	750	I-R	450	25

SCOTT

Miller Contract Drlg	18	dsl		I-R T4	600	35

TEXAS

UNDESIGNATED

Ard Drlg	2	dsl	1986	MC U20	1800	180
	3	dsl	1400	MC U40	1200	150
	8	dsl	1900	C-E 800GB	1800	180
Blocker Drlg-Alice	2	dsl	1130	Cbot 750	650	95
	3	dsl	1820	Cbot Expl III	950	120
	4	dsl	1800	Nat 55	1500	120
	6	dsl	1500	Cbot HT Expl	950	100
	8	dsl	1820	Cbot Expl III	1400	140
	14	dsl	2500	Nat 110	2730	200
	16	dsl	1080	Cbot Expl III	950	120
Blocker Drlg-Houston	45					200
	46					200
Butler-Johnson	9	dsl	1200	G-D 700	1200	120
Cliffs Drlg	42	d-e	2600	Nat 1320UE	3025	250
Cothrum Drlg	2	dsl	926	MC U15A	912	115
	5	dsl	1525	BDW 650	912	140
	6	dsl	750	C-E G500	600	75
	11	dsl	250	G-D 210B	250	100
	14					
	16					
	17					
Diamond M Land Drlg	170	dsl	1750	Wils Mod 90	1805	125
Faulk Drlg	4	dsl	450	S/B N4	450	60
Gibson Drlg	6	dsl	506	Wils Mogul 42	318	50
Grace France Drlg	8	dsl	2400	Ohwl 760E	2400	170
Hinton Drlg, W B	3	dsl	1700	Nat 80B	1650	150
Mesa Drillers	1	dsl	800	Nat 50A	750	80
NL Well Serv	268	dsl	300	Cbot 1287	456	50
Penrod Drlg	16	dsl	3075	S/B N12A	1840	200
	18	dsl	2250	Nat 1625M6	2200	100
	22	dsl	2800	Nat 1320N	1950	250
	25	dsl	2600	C-E C2	1950	250
	107	dsl	1000	Nat 80B	1760	150
	111	dsl	1950	Nat 1625M	3000	300
	114	dsl	1600	Nat 1625M	3000	300
	116	dsl	1300	Nat 1320M	2000	250
	117	dsl	1300	Nat 1625M	2000	250
	119	dsl	1600	Nat 1625M	3000	300
	121	dsl	1600	Nat	3000	300
	124	dsl	1600	Nat 1625M	3000	300
	125	dsl	1000	Nat 80B	1760	150
	128	dsl	1000	Nat 80B	1760	150
	133	dsl	1600	Nat 1625DE	4610	200
Phelps Drlg	21	dsl	770	C-E 370M	550	100
Sharp Drlg	47	dsl	790	Beth M58	988	135
Sloan Drlg	22	dsl	1000		1000	75
Sterling Drlg (TX)	1	dsl	900	Nat 50A	900	120
	5	dsl	1230	Nat 50CA	820	110
	7	dsl	850	Nat 50A	900	120
	12	dsl	1500	Nat 610	1100	130
	15	dsl	1400	S/B N75	1100	140
Verna Corp	12	dsl	500	MC U15	600	115
	19	dsl	550	MC U15	800	115
	26	dsl	500	Idco H40	750	80
Wes-Mor Drlg	8	g-b		MC U15		85
	12	dsl	2500	MC U15	2500	90
Wes-Tex Drlg	22					

ANDERSON

FWA Drlg	33	dsl	1750	G-D 700M	1040	120
Henley Drlg	1	dsl	1725	OIME SL1000	1725	140
Nowotny & Conley Drlg	3	dsl	1800	S/B N46	900	125
Schlensker Drlg	5	dsl	950	MC U15	950	100
Thunderbolt Drlg	50	dsl	1750	Cbot 1200	1300	135

ANDREWS

BJM Drlg & Expl	6	dsl	1200	MC U15	1000	120
Cactus Drlg Co	22	dsl	1450	Nat100	1650	150
	61	dsl	550	Nat T20	480	60
	66	dsl	500	S/B N4	454	60
Johnn Drlg	10	dsl	800	Ohwl 66	800	100
Landis Drlg	3	dsl	800	S/B N55	900	115
Quarles Drlg	2	dsl	1500	OIME 1000	1000	180
	5	dsl	850	Nat 50A	500	120
Resource Drlg	RD-25	dsl	1560	Nat 80B	1835	140
Rio Colorado Drlg	143	dsl	1200	Nat T45	1100	125
Rod Ric	2	dsl	450	Beth S45E	400	75
Sharp Drlg	32	dsl	1185	C-E 800	1482	165
TMBR Drlg	30	dsl	350	MC U15	500	70
Verna Corp	13	dsl	600	S/B N4	400	65

ANGELINA

Lagersen Drlg	5	d-e	1600	C-E J750E	1250	160

ARCHER

Bennett Prod Corp	4	dsl	900	Permian 1000	900	130
E & H Drlg	4	g-l	550	MC U15	550	75
Grand Drlg	1	dsl	800	Shaf SS800S	475	80
Tommy's Oilwell Drlg	2	dsl	800	Beth S50	476	70
	8	dsl	800	SOS 8000S	650	80

ATASCOSA

Alco Drlg Southern	59	d-e	2600	C-E 11C	2000	180
Bearden Drlg, Jack E	3	dsl	1200	Wils Mogul Super 42	750	95
Cinco Drlg	1	dsl	900	MC U15	780	110

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With
BEE							
Pearl Expl	1	dsl	600	Wils 65	500	70	
South Texas Drlg	8	dsl	600	S/B N46	550	80	
BEXAR							
Magee-Poole Drlg	14	dsl	1475	Cbot Explorer III	700	90/4"	
BORDEN							
Cactus Drlg Co	19	dsl	1050	Nat 50A	850	10	
Delta Drlg	86	dsl	500	S-H 7000	480	90	
McCutchen Drlg, J W	3	dsl	820	Wils Atlas Roadair	820	105	
	4	dsl	820	Wils 90	820	120	
Robinson Drlg of Texas	4	dsl	750	Nat 50A	900	125	
Wes-Tex Drlg	9	dsl	700	Nat 50A	700	100	
	17	dsl	335	MC U34	500	80	
BRAIN							
Culver Drlg	4	dsl	800	S/B N45	700	100/4"	
BRAZORIA							
Atco Drlg Southern	61	d-e	2600	C-E IIC	2000	200	
Bawden Drlg, Peter (TX)	31	d-s	2000	Nat 110UE	1500	180	
Big 6 Drlg	2	dsl	800	Cbot	600	100	
	3	dsl	750	Cbot	600	110	
Delta Drlg	20	d-s	2600	C-E C2 Type II	3456	200	
Forex Neptune and/or Affil	51	d-e	3200	G-D 1500E	2000	217	
Loffland Bros	107	dsl	2160	S/B N12	2400	170	
M G F Drlg-Houston	39	dsl	2200	Nat 125	1500	200	
Nicor Drlg	9	dsl	2000	OIME 1500SL	1500	180	
Resource Drlg	15	dsl	1560	Nat 80B	1835	140	
Richards Drlg Ltd	9	d-e	3400	Otwl E3000	3000	300	
Spartan Drlg	4	d-e	600	Sup 700E	700	100	
BRAZOS							
Atco Drlg Southern	4	dsl	1550	Nat 55	550	120	
Circle C Drlg	1	dsl	1400	Nat 100	1450	150	
Cothrum Drlg	20						
Haning & Young	102	d-m	2000	OIME SL7	1000	125	
McMurrey Petr	3	dsl	800	S-H	750	100	
Senior Drlg	40	dsl	1500	Cbot 1200	1300	135	
Spartan Drlg	16	d-e	800	Sup700E	700	100	
	18UE	d-e	600	Sup 700E	700	120	
BROOKS							
Culver Drlg	11	dsl	1500	MC U914C	1500	170	
Dixilyn-Field Drlg	25	d-e	1600	Nat 80UE	2000	150	
Magee-Poole Drlg	10	dsl	1500	Cbot 900	950	110/4"	
Rio Colorado Drlg	140	dsl	1200	Nat T45	900	105	
BURLESON							
Basin Drlg	11	dsl	1470	G-D 700M	1220	140	
	12	dsl	1470	G-D 700M	1220	140	
Challenger Drlg	35	dsl	800	S/B N75	1200	120	
Pozos Intl Drlg Serv	80	dsl	1890	S/B N46	940	125	
PRC Drlg	3	dsl	1250	S/B N46	730	110	
Rio Grande Drlg	8	dsl	550	Nat 370	770	100	
Sterling Drlg (TX)	18	dsl	1250	Nat 610	1100	130	
	19	dsl	1110	S/B N46	770	110	
CALDWELL							
Nixon Drlg	1	dsl	300	Crdw CatD	300	40	
	4	dsl	300	Stuart	300	40	
	5	dsl	300	Wils	300	40	
	6	dsl	300	Stuart	300	40	
CALHOUN							
Eljay Drlg	2	d-s	2800	Otwl E2000	2000	250	
M G F Drlg-Houston	31	dsl	700	Otwl 76	900	120	
Magee-Poole Drlg	2	dsl	1500	OIME 750SL	1155	140	
Richards Drlg Assocs	11	dsl	2500	Otwl 860	2400	180	
CAMERON							
PRC Drlg	4	dsl	758	Cbot 900	900	100	
CAMP							
Pozos Intl Drlg Serv	81	dsl	1890	S/B N46	940	125	
CARSON							
Hudson Drlg, Leonard	8	dsl	300	Wils Mogul	300	60	
Service Drlg (TX)	1	dsl	300	MC U34	300	45	
	7	dsl	300	Beth S45	300	55	

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With
CASS							
Butler-Johnson	13	dsl	1200	S/B N75B	1200	130	
Delta Drlg	15	dsl	1800	C-E D3 Type III	1040	135	
Gibson Drlg	3	dsl	820	Wils Mogul 42	666	65	
Schiensker Drlg	8	dsl	635	Wils Mogul 42	475	70	
Transcontinental Drlg-Magnolia	2	gas	500	C-E GB350	500	85	
	5	dsl	1050	Otwl 78	1050	115	
CHAMBERS							
Kelley & Kerr Drlg	Paso Grande	dsl	1400	OIME SD5	800	125	
M G F Drlg-Houston	37	dsl	500	G-D 500	700	90	
M G F Drlg-Lafayette	43	dsl	1800	Otwl 96	1200	180	
Richards Drlg Co	5	g-b	1200	S/B N75	900	125	
	8	dsl	2500	Otwl 860	2400	180	
CHEROKEE							
Cape Drlg	5	dsl	400	W-N Apache 95040	425	60	
Delta Drlg	22	dsl	1800	C-E D3 Type III	1560	140	
Forex Neptune and/or Affil	47	d-e	3200	G-D 1100E	1500	180	
Globe Drlg	3	dsl	800	MC U15	800	120	
Grace France Drlg	2	dsl	1700	Otwl 760	1700	170	
Guffey-Schiensker Drlg	3	dsl	1270	Nat 75CA	1270	140	
Henley Drlg	220	dsl	1200	Cbot 900	900	100	
Schiensker Drlg	3	dsl	700	Otwl 760	1500	140	
CLAY							
Burns L D Drlg	5	dsl	744	Beth S55	780	100	
COCHRAN							
Norton Drlg	4	dsl	550	Wils 75	850	105	
Sitton Drlg	2	dsl	650	Wils 75P	900	115	
COKE							
D B Drlg	6	dsl	600	S/B N45	600	90	
GCO Drlg	5	dsl	820	MC U15	850	95	
COLEMAN							
Bandera Drlg	7	dsl	750	MAC 300	400	75	
Megargel Drlg	2	dsl	750	MC U15	750	70	
Mesa Drlg	2	dsl	675	Wes W45	500	80	
Safari Drlg	2	dsl	370	Crdw L350	370	70	
	4	dsl	310	Nat T20	270	60	
	6	dsl	300	C-E U34	370	60	
COLORADO							
B D K Drlg	10	dsl	1000	S/B N46	900	100	
Frio Drlg	2	dsl	800	Nat J45	600	100	
Howell Drlg	1	dsl	1000	Cbot 900	900	110	
Loffland Bros	77	dsl	1450	Nat 100	1575	150	
COMAL							
Loffland Bros	331	dsl	2160	MC U1220	2400	200	
COOK							
Culver Drlg	16	dsl	800	G-D 700	800	140	
COOKE							
Arbuckle Drlg	1	dsl	450	BDW 450T	600	90	
Felderhoff Bros Drlg	3	dsl	600	MAC 400	350	75	
Moran Drlg, E W	6	dsl	950	Beth S55	750	110	
	20	dsl	1200	S-H 7000	450	95	
COTTLE							
Bearden Drlg, Jack E	1	dsl	1200	Wils Mogul Super 42	750	90	
Sojourner Drlg	5	dsl	250	MC U15	550	70	
CRANE							
BJM Drlg & Expl	3	dsl	1200	Nat 150AC	1000	120	
	4	dsl	1200	MC U15	1000	120	
Hillin Drlg	6	dsl	500	Idco H25 Trailer Rig	360	50	
Johnn Drlg	5	dsl	700	MC U15	700	85	
	8	gas	800	S/B N75	800	125	
Kenai Drlg of Texas	32	dsl	1200	C-E GA500	800	110	
Resource Drlg	RD-26	dsl	1560	Nat 80B	1835	140	
Rod Ric	4	dsl	750	Idco H40	600	85	
TMBR Drlg	1	dsl	350	MC U15CA	500	60	
Verna Corp	11	dsl	550	MC U15	810	115	
	14	dsl	500	Wils Mogul 42	550	70	
	20	dsl	1000	Verna Drlg	1500	160	
	34	dsl	1000	C-E A800	1200	150	
CROCKETT							
D B Drlg	12	dsl	1040	Nat 100	1040	160	
Delta Drlg	4	dsl	2150	Nat 100	1560	160	
Sterling Drlg (TX)	11	dsl	375	Idco H30	480	65	
Tucker Drlg	6	dsl	750	S/B N75	750	120	
Wes-Tex Drlg	15	dsl	335	S/B N4	500	80	

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With
CROSBY							
D B Drlg	1	dsl	410	S/B N4	480	75	
CULBERSON							
Kenai Drlg of Texas	11	dsl	400	Nat T20	400	65	
DAWSON							
Ard Drlg	4	dsl	900	MC U15	900	120	
Cactus Drlg Co	4	dsl	950	Nat 55M	1100	130	
	52	dsl	550	Idco H35	454	65	
	54	dsl	600	Beth S55	454	60	
	71	dsl	900	C-E U36A	918	100	
GCO Drlg	7	dsl	1750	Nat 75CA	1500	130	
M G F Drlg-Midland	11	dsl	900	Beth M58	900	125	
Robinson Drlg of Texas	2	dsl	750	MC U15	900	100	
Schlensker Drlg	7	dsl	800	Unit U15	950	95	
Sterling Drlg (TX)	21	dsl	1180	S/B N46	770	110	
TMBR Drlg	20	dsl	350	Idco H400	500	90	
Wes-Tex Drlg	10	dsl	300	S/B N4	500	80	
	18	dsl	600	Nat 50CA	900	100	
DE WITT							
FWA Drlg	24	dsl	1350	Wils Mogul 42	720	110	
Grace France Drlg	3	el	2400	Otwl E760	2400	170	
Harkins & Co	13	dsl	1477	Cbot 1000	1000	120	
Padre Drlg	10	dsl	1300	S/B 4610	450	85	
Rio Grande Drlg	9	dsl	1300	Nat 110M	2400	200	
South Texas Drlg	5	dsl	500	S/B N45	500	80	
DIMMIT							
Dixon Drlg	12	dsl	900	S/B N4	450	60	
DUVAL							
Buzzini Drlg	10	dsl	3600	Otwl M2000	2400	200	
Delta Drlg	99	d-e	3200	C-E C2	3456	250	
Diamond M Land Drlg	173	d-e	2700	MC 314EU	3000	160	
Dixilyn-Field Drlg	9	dsl	2610	Nat 130	2331	200	
Magee-Poole Drlg	1	dsl	1500	Cbot 900	950	110/4"	
Pearl Expl	2	dsl	600	Wils 65	600	85	
PRC Drlg	1	dsl	800	S/B H4610A38	500	80	
San Patricio Corp	7	dsl	1000	S/B RR600	400	80	
South Texas Drlg	9	d-e	1350	G-D 1500E	2000	250	
Southland Drlg	7	dsl	650	S/B N55	600	100	
EASTLAND							
Brunner Drlg	2	dsl		S/B N4	375	60	
	4	dsl		Idco H38D	350	50	
	7	dsl		Wich	350	50	
E & H Drlg	2	dsl	400	MC U34	325	60	
J & W Drlg	1	g-d	180	Harris 5000	340	50	
	2	gas	180	Idco 150	180	35	
	3	dsl	280	Wils Mogul 42	440	60	
Tommy's Oilwell Drlg	9	dsl	800	Crdw L	500	40	
ECTOR							
Cactus Drlg Co	18	dsl	550	Nat T32	850	80	
	53	dsl	850	Beth S55	670	75	
	60	dsl	550	Beth S45E	454	60	
	65	dsl	550	S/B N4	454	60	
D & R Drlg	2	el	2000	C-E EDA	1700	200	
Delta Drlg	70	dsl	300	S-H 6000	380	70	
	98	dsl	1500	Wils Giant Roadair	784	125	
Drilltech Inc	1	dsl	1000	G-D 500M	850	100	
	2	dsl	1000	G-D 500M	850	100	
Johnn Drlg	4	dsl	700	MC U15	700	85	
Kenai Drlg of Texas	15	dsl	600	C-E GB500	800	110	
	16	dsl	700	C-E GA500	780	110	
	17	dsl	800	S/B N4	580	70	
	19	dsl	825	C-E GA500	800	110	
	25	dsl	700	C-E GB500	800	110	
Ladrido Drlg	1	dsl	1600	MC U15	1050	135	
Loffland Bros	208	dsl	1560	Nat 110	1800	170	
M G F Drlg-Midland	9	dsl	850	C-E GC500	850	140	
Moran Bros	72	d-s	1300	Nat 11CUE	1500	200	
Norwood, A N	1	dsl	450	Wils Super 38	350	55	
	2	dsl	700	S/B N4	450	60	
	3	gas	1000	S/B N4	450	60	
	4	dsl	600	Nat T20	450	60	
Parker Drlg	211	gas	1000	Nat 75	1000	160	
Price & Co, J A	3	dsl	1000	G-D Model 3000	370	50	
Quarles Drlg	6	dsl	2000	S/B N95	2200	220	
Rod Ric	7	dsl	900	W-M Hellhoist	900	100	
	9	dsl	750	Idco H35	600	80	
	10	dsl	670	C-E G500	800	85	
Santa Fe Drlg	SFW-10	d-e	2000	C-E Electrohoist H11	1800	240	
	SFW-12	d-e	2300	C-E A1100E	1800	200	
	SFW-3	d-e	2900	C-E A1500E	2000	300	
	SFW-4	d-e	2600	C-E C3111	3000	300	

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
ECTOR (Cont'd)						
Santa Fe Drlg	SFW-6	d-e	2300	C-E C3111	3000	300
	SFW-8	d-e	2600	C-E A1500E	2000	300
	25W	d-e	1000	Nat 80UE	1000	120
	26W	d-e	1000	Nat 80UE	1000	120
Sierra Drlg	1	dsl	500	BDW Min-Max	800	100
	2	dsl	500	BDW 600	800	100
Sierra Drlg Co	5	dsl	500	Weis W45	400	75
Tri-Service Drlg	3	g-b	750	Ohwl 76	750	130
TMBR Drlg	12	dsl	700	Nat 50	600	105
Verna Corp	15	dsl	600	MC	600	115
	17	dsl	550	MC U15	650	115
	18	d-e	1000	Nat 1320E	2000	220
	31	dsl	1212	MC U15	800	110
	38	dsl	1212	MC U15	800	110
	40	dsl	700	MC U15	800	110
ERATH						
Lynx Drlg	1	dsl	1000	MC U15	720	100
	3	dsl	500	Idco H30	360	70
FALLS						
Cape Drlg	4					
FAYETTE						
Cinco Drlg	2	dsl	890	Nat T32	850	80
Houtech Drlg	801	dsl	1500	Seaco 1400M	1300	150
	802	dsl	1600	G-D 700M	1200	150
M G F Drlg-Houston	6	dsl	800	Nat T32	500	90
	8	dsl	600	S/B N55	550	105
	30	dsl	750	Nat 610	800	120
PRC Drlg	5	dsl	1198	G-D 700M	000	140
Rio Colorado Drlg	139	dsl	1200	Nat T45	900	115
TL Drlg	10	dsl	2000	S/B N75	1200	120
Williams Drlg of South TX	1	dsl	585	Cbot 750	750	95/4"
FISHER						
D B Drlg	10	dsl	410	S/B N4	460	75
Sojourner Drlg	2	dsl		MC U15	550	70
Texzona Drlg	1	dsl	475	MC U34B	450	65
Wes-Tex Drlg	19	dsl	600	S/B N4	600	80
FOARD						
Bennett Prod Corp	2	dsl	900	MC U15	900	130
Herb Expl	1	g-b		Sail 1500	100	15/2.38"
FORT BEND						
Rainbow Drlg	4	dsl	1600	Cbot 1200	1200	150
Southland Drlg	6	dsl	600	HT 1887600TD	600	85
FRANKLIN						
Gibson Drlg	4	dsl	506	Wils Mogul 65	398	50
FREESTONE						
Butler-Johnson	14	d-e	2000	G-D 1100E	2000	200
D B Drlg	25	dsl	800	Unit U15	800	105
Delta Drlg	90	d-e	2000	C-E D3 Type II	2592	160
Dual Drlg	7	dsl	2100	Nat 1320M	2000	250
FWA Drlg	20	dsl	1700	Wils Super Atlas	1040	140
	27	dsl	2000	G-D 800M	1560	155
	28	dsl	2700	G-D 1100M	1560	180
Hinton Drlg, W B	6	dsl	1600	Nat 80B	1650	150
	9	d-e	2600	Nat 110UE	3000	200
	11	d-e	2600	Nat 1320UE	3000	250
Justiss Oil	30	dsl	1000	Beth 1013	1400	170
Moran Bros	38	d-s	3200	C-E C2 Type II	2000	250
Noble Drlg	N-81	dsl	1420	Nat 80	1420	140
O'Neal Drlg	14	dsl	15000	Nat 80B	1500	150
	15	d-e	2000	G-D 800	1500	180
Verna Corp	28	dsl	1000	MC U15	600	100
FRIO						
F & N Drlg	1	dsl	525	Kremco K600	600	80
Southland Drlg	4	dsl	850	S/B N7	900	100
GAINES						
BJM Drlg & Expl	2	dsl	800	N 4213	600	85
Cactus Drlg Co	64	dsl	700	S/B N45	670	75
Cherokee Drlg & Dev	2	dsl	1150	Wils 75	900	11
	3	dsl	1150	Wils 75	900	110
	4	gas	1150	Wils 75	900	110
	5	dsl	900	BDW 450	531	70
Dusi Drlg	30	dsl	1250	Ohwl 500	600	9000
Grace/T R G Drlg	3	d-m	1245	G-D 700M	1100	130
	22	dsl	1290	Nat 80B	1305	160
Hondo Drlg	9	dsl	900	S/B N45	700	100
M G F Drlg-Midland	1	dsl	750	Beth M58	750	125
Moran Bros	71	d-m	500	Nat 370	550	85
Norton Drlg	3	dsl	475	Wils 75	850	105
Rod Ric	3	dsl	670	S/B N45M	820	100
Sitton Drlg	8	dsl	650	Wils 75P	900	100
Willbros Drlg	4	dsl	1700	Nat 55	1260	140

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
GALVESTON						
Challenger Drlg	48	dsl	1000	Unit U36	1000	130
CRC Mallard Well	11	ds	800	Wils 90	800	110
	16	dsl	1300	Wils 90	800	140
Frio Drlg	1	dsl	800	C-E 350	550	95
Goldrus Drlg	18	dsl	1700	1000 Cbot	872	140
	19	dsl	1110	Cbot 750	560	100
	23	dsl	870	Cbot 900	680	120
Nicor Drlg	79	d-m	2000	G-D 700M	700	140
Richards Drlg Co	3	dsl	1800	S/B N75	1200	125
GARZA						
Bandera Drlg	4	dsl	925	BDW 450T	540	85
GCO Drlg	2	dsl	640	BDW 450	450	80
Holliday Drlg	1	dsl	1000	G-D 700	1000	120
Wes-Tex Drlg	5	dsl	550	Nat 50A	700	100
GLASSCOCK						
Cactus Drlg Co	20	dsl	850	S/B N45	1080	70
Hondo Drlg	1	dsl	875	MC U15	700	100
	2	dsl	1050	S/B N55	700	100
Kenai Drlg of Texas	28	dsl	1200	S/B N7	800	120
Moran Bros	4	d-s	1500	C-E A800E	1000	150
Quarles Drlg	15	dsl	2000	RMI 1000	1000	150
Sharp Drlg	48	dsl	790	Beth M58	988	135
	61	dsl	2331	MC U914C	2742	235
Transcontinental Drlg-San Angelo	96	dsl	1000	MC U36A	850	120
Tri-Service Drlg	4	g-b	700	Ohwl 66	750	100
	6	dsl	1800	Ohwl 96	1800	160
Tucker Drlg	11	dsl	525	BDW 800	1200	140
Wes-Tex Drlg	4	dsl	650	C-E G500	650	10
GOLIAD						
Buzzini Drlg	9	dsl	3600	Ohwl M2000	2400	200
Cinco Drlg	11	d-e	2000	Sup 1000	1000	160
Frio Drlg	3	dsl	900	S/B N55	900	105
FWA Drlg	18	dsl	1150	Wils Giant	360	75
Harkins & Co	10	dsl	1620	C-E B1013	1620	160
GONZALES						
Challenger Drlg	29	dsl	720	Nat T45	860	95
Cinco Drlg	4	dsl	1005	S/B N45	780	85
	9	dsl	1700	Beth 650	1100	160
Nixon Drlg	3	dsl	300	Crdw	300	40
GRAY						
Hudson Drlg, Leonard	2	dsl	900	MC U15	900	115
	4	dsl	900	MC U15	900	115
	5	dsl	900	S/B N7	900	115
	7	dsl	900	Unit U15	900	115
Service Drlg (TX)	3	dsl	300	MC U34	400	65
	6	dsl	300	MC U34	300	45
	11	dsl	400	MC U34	400	50
Stahlco Drlg	1	dsl	510	C-E 360	475	50
GRAYSON						
Atco Drlg Southern	53	dsl	1600	Nat 610UE	800	120
Felderhoff Bros Drlg	1	dsl	285	Wils Mogul	185	55
	2	dsl	950	Wils Giant	650	95
Grace France Drlg	1	dsl	1600	G-D 700	900	130
Moran Drlg, E W	1	dsl	1700	G-D 700	800	130
	3	dsl	1300	G-D	800	140
	8	dsl	2200	Wils 150A	1650	150
Nicor Drlg	8	dsl	1500	Nat 55	700	135
Robinson Bros Drlg	GBL	dsl	1250	Idco 1200	1000	120
Viersen & Cochran Drlg	19	dsl	800	Nat 610	830	120
GREGG						
Delta Drlg	69	dsl		S-H 7000	480	90
Henley Drlg	9	d-e	2600	C-E C2	2600	250
Justiss Oil	14	dsl	800	C-E GB500	900	110
	32	g-b	700	Beth 450	900	120
	33	dsl	1000	Ohwl 96	1400	170
GRIMES						
Big 6 Drlg	8	d-e	1600	Nat 610	900	120
Spartan Drlg	9	d-e	1000	Sup 1000E	1000	160
HANSFORD						
Baker & Taylor Drlg	2	dsl	1400	MC U20	1400	200
	4	dsl	1140	MC U20	1140	180
	5	dsl	1400	MC U20	1400	220
	14	dsl	1140	MC U40	1150	180
Bravo Drlg	2	dsl	870	BDW 800	870	140
Service Drlg (TX)	8	dsl	800	MC U15	630	70
HARDEMAN						
Bearden Drlg, Jack E	8	dsl	1200	Wils 75	900	95
Bennett Prod Corp	3	dsl	900	MC U15	900	130
Crawford Drlg	2	dsl	600	MC U15	800	100
	3	dsl	350	Wils Giant	350	65
	4	dsl	600	MC U15	800	100

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
HARDEMAN (Cont'd)						
Crawford Drlg	5	dsl	600	MC U15	800	100
	6		600	MC	800	100
	7	dsl	600	MC U15	800	100
	8	dsl	350	Ohwl 64B	350	95
	9	dsl	350	Wils Roadaire	350	70
	10	dsl	800	C-E GB800	800	140
	11	dsl	600	Nat 50A	800	110
Guffey-Schlensker Drlg	2	dsl	600	S/B N45	700	80
Lee Drlg	1	dsl	1100	BDW 450T	500	90
	2	dsl	850	BDW 450T	550	90
	3	dsl	1100	BDW 450T	700	90
Moran Drlg, E W	18	dsl	860	S-H 7000	450	95
	19	dsl	1200	Wils 75	900	110
	23	dsl	1400	Wils 75	900	110
Schlensker Drlg	2	gas	700	Beth MC450	900	120
Theiss Drlg	1	dsl	900	S/B H46	900	100
	2	dsl	900	C-E U15	900	100
HARDIN						
M G F Drlg-Houston	32	dsl	750	Nat 610	800	120
Richards Drlg Co	2	dsl	1500	S/B N75	1200	125
Richards-Armstrong	7	dsl	1900	Cbot 1000	900	125
HARRIS						
Big 6 Drlg	7	dsl	800	Idco	600	100
Drillers	15	dsl	1000	Ohwl 66	800	120
Haning & Young Drlg	201	d-e	2600	S/B NE95	1700	190
	202	d-e	2600	S/B NE95	1700	190
M N D Drlg-Southern	14	d-e	1820	MC U712	1200	160
Resource Drlg	19-RD	dsl	1040	Nat 610	1220	120
Rio Colorado Drlg	119	dsl	1300	C-E A800	1600	120/5"
	138	dsl	1750	Idco H1000	1000	120
	141	dsl	1200	Nat T45	900	105
Spartan Drlg	6	d-e	600	Sup 700E	700	100
TL Drlg	11	dsl	1600	S/B N75	800	140
	12	dsl	1150	Idco H750	800	120
Wilson Bros Drlg	12	dsl	1850	Nat 110	1850	160
HARRISON						
Dixon Drlg	7	dsl	1700	S/B N46	950	130
Lohmann Drlg	17	gas	800	MC U15 SN356	600	100
Rosamond Drlg	12	dsl	850	S/B N46	850	100
HASKELL						
Hack Drlg	4	dsl	225	Nat T8	250	40
Safari Drlg	8	dsl		Detroit Diesel 8V		80
Wes-Mor Drlg	7	dsl	680	MC U34	680	75
HEMPHILL						
Baker & Taylor Drlg	6	dsl	1400	MC U40	1400	200
Bonray Drlg	21	dsl	990	Idco H750	660	120
Helmerich & Payne Intl Drlg	54	dsl	1100	Ohwl 76	1210	160
	85	d-s	1700	Ohwl 760E	760	160
King Drlg	1	dsl	1177	Crdw 700	800	120
	9	dsl	1177	Crdw 700	800	125
Moran Bros	34	dsl	1700	Ohwl 760	1000	150
	68	d-s	3200	C-E C2 Type II	2000	250
Moran Drlg, E W	13	dsl	1400	G-D 700	800	130
	29	dsl	1400	G-D 700	800	130
Quarles Drlg	10	dsl	2700	MC U914C	2400	220
Service Drlg (TX)	12	dsl	1000	C-E D2	800	120
Slawson Drlg	7	dsl	480	Idco H525	480	115
Unit Drlg & Expl	15	dsl	1300	MCSCO 914C	1850	250
HENDERSON						
Grace France Drlg	4	dsl	1300	G-D 500	800	110
	6	dsl	1300	Mat o i0	900	130
Maxwell Herring Drlg	21					
HIDALGO						
Cinco Drlg	12	d-e	3000	Nat 1320UE	2400	240
Cliffs Drlg	40	d-e	2600	Nat 1320UE	3025	250
Delta Drlg	87	d-s	2000	C-E D3 Type II	2592	160
	88	d-s	2600	C-E C1 Type II	3456	180
	89	d-s	2000	C-E D3 Type II	2592	160
	95	d-e	2900	C-E CI Type II	3456	200
Dixilyn-Field Drlg	23	dsl	2800	Ohwl 860	2331	180
Magee-Poole Drlg	15	dsl	1475	Cbot Expl III	700	90/4"
Resource Drlg	RD-24	dsl	2330	Nat 110	2740	180
	3	dsl	3105	Nat 1320	3740	250
	8	dsl	2330	Nat 110	2740	180
	14	dsl	2330	Nat 110	2740	180
Rio Grande Drlg	7	dsl	750	OIME SL5	1500	120
Willis Drlg	2	dsl	1000	Beth B-Line MC450	1000	120
	3	dsl	1000	S/B N75	1000	120
	7	dsl	2500	S/B N95	2500	180
	8	dsl	1600	BDW 800	1100	120

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
HOCKLEY						
D & R Drlg	1	st	1800	Nat 3410FE	1700	140
D B Drlg	7	dsl	730	Nat 50A	730	110
Norton Drlg	7	dsl	450	Wils 65	650	85
	12	dsl	1000	Wils 75	900	120
Rod Ric	8	dsl	670	S/B N45	600	80
Sojourner Drlg	6	dsl		MC U15	550	70
Verna Corp	1	dsl	600	S/B N55	800	125
	3	dsl	500	S/B N45	500	65
	4	dsl	500	S/B N4	500	65
	5	dsl	500	Wils Mogul	500	65
	6	dsl	550	S/B N55	800	120
	7	dsl	700	MC U15 Type	800	110
	8	dsl	500	Idco H40	500	65
	9	dsl	800	Idco H40	500	65
	33	dsl	550	MC U15	800	90
	36	dsl	550	MC U15	550	110
	39	dsl	600	MC U15	550	110
HOPKINS						
Globe Drlg	8	d-e	3000	G-D GD1000	1500	200
Maxwell Herring Drlg	20	dsl	1800	S/B 75A	1200	1120
HOUSTON						
Atco Drlg Southern	55	d-e	2000	Nat 80UE	1000	150
Bawden Drlg, Peter (TX)	15	d-s	1600	Nat 610E	750	120
Helmerich & Payne Intl Drlg	87	d-s	800	Nat 1625ME	3000	300
Loffland Bros	118	d-e	3300	MC U1220EBD	3300	250
Maxwell Herring Drlg	2	dsl	1034	Beth M810	926	120
McMurrey Petr	1	dsl	800	S-H	750	100
Parker Drlg	129-HH/ 17	dal	1500	OIME TBA2000	2000	200
	133-HH/ 21	dsl	1500	OIME TBA2000	2000	200
HOWARD						
Corky Drlg	1	dsl	325	Crdw 350	350	60
Fiscus Drlg	1	dsl	350	Wils Super 385	350	34/ 4"
FWA Drlg	9	dsl	1150	Wils Giant	720	115
Riley Drlg	4	dsl	300	Cbot	300	45
Safari Drlg	5	dsl	370	C-E GA250T	280	50
Transcontinental Drlg-San Angelo	95	dsl	750	G-D 500	750	120
TMBR Drlg	4	dsl	840	Nat 50CA	600	105
Wes-Tex Drlg	16	dsl	335	S/B N4	500	80
HUDSPETH						
Cherokee Drlg & Dev	7	dsl	1500	BDW 650	1050	120
HUTCHINSON						
Cheyenne Drlg	5	dsl	400	Nat T-20	450	50
Diatom Drlg	2	dsl	630	I-R 600	650	100
IRION						
BJM Drlg & Expl	1	dsl	600	MC U15	600	120
D B Drlg	5	dsl	390	S/B N4	460	75
FWA Drlg	12	dsl	915	Wils Giant	900	100
Mellon Drlg	2	dsl	1300	C-E GB350	750	100
	4	dsl	750	Beth S50	375	70
Transcontinental Drlg-San Angelo	30	dsl	750	S/B N55	750	100
	33	dsl	898	Unit U15	650	85
	34	dsl	674	Beth S55	650	80
Wes-Tex Drlg	2	dsl	650	Beth S45E	650	100
JACK						
Burns L D Drlg	2	dsl	900	Wils 75	780	105
Megargel Drlg	6	dsl	350	Beth S45B	275	60
Originala Drlg	1	dsl	400	Wils Super 38	400	60
	2	dsl	400	Wils Giant	400	70
	3	dsl	400	Nat 50A	400	85
JACKSON						
Delta Drlg	81	dsl	1300	S-H 7600	480	90
Frio Drlg	4	dsl	1100	Nat N55	1100	120
Louise Drlg	1	dsl	2684	Idco H40	1006	110
Nicklos Drlg	76	d-e	2600	Nat 1320UE	1800	250
Padre Drlg	7	dsl	700	S/B H14610	750	100
	8	dsl	700	S/B H14610	750	100
JASPER						
Henley Drlg	5	d-e	2600	C-E C1	1650	180
JEFFERSON						
Big Chief Drlg	11	dsl	1350	S/B N75	1350	130
	22	gas	1600	Nat 80B	1600	140
	25	dsl	3000	Nat 110	2000	200
	35	gas	2610	Nat 110	2610	200
	44	dsl	2400	S/B N95	2400	200

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
JEFFERSON (Cont'd)						
Diamond M Land Drlg	171	dsl	1300	MC Unit 712	1200	145
	172	gas	1750	Nat 110M	2550	160
Drillers	51	d-h	400	Shaf CSD820	400	180
Loffland Bros	110	dsl	2160	S/B N12	2400	200
	322	dsl	1800	G-D 800	2100	160
Nicor Drlg	75	d-m	1750	Cbot L550TRD	1200	150
Rosamond Drlg	6	dsl	1275	C-E A550	1275	125
Southland Drlg	3	dsl	1300	S/B N75	750	110
Wilson Bros Drlg	5	dsl	2600	Nat 110M	2700	200
JIM HOGG						
Challenger Drlg	46	dsl	900	Idco 750	900	100
Magee-Poole Drlg	12	dsl	1500	Cbot 900	950	110/ 4"
JIM WELLS						
Dixilyn-Field Drlg	2	dsl	1300	S/B 11-75	1040	120
	4	dsl	2600	Nat 1625M	3105	250
	8	dsl	1950	Nat 110	2331	180
	10	dsl	1295	Nat 55	1040	120
	18	dsl	2300	MC U914C		2331
	19	dsl	1925	Nat 130	2331	200
Magee-Poole Drlg	6	dsl	2000	OIME SL7	1300	168
Murlynson Drlg	10	dsl	1000	MC U15	600	100
Murphy Drlg, Pete	1	dsl	800	Crdw C Horse	300	60
JONES						
Cothrum Drlg	9	dsl	900	S/B N4	500	65
Dixon Drlg	9	dsl	700	S-H 5000 Port	450	60
KARNES						
Atco Drlg Southern	52	dsl	1500	MC U40	900	120
Buzzini Drlg	8	dsl	3600	Otwl M2000	2400	200
KAUFMAN						
Maxwell Herring Drlg	15	dsl	1200	S-H	400	100
KENEDY						
Atco Drlg Southern	11	dsl	1600	Nat 55	550	120
Dixilyn-Field Drlg	12	dsl	2600	Nat 110M	2331	180
Harkins & Co	12	dsl	1050	Cbot 750	650	95/ 4"
	14	dsl	1150	Cbot 900	900	110/ 4"
Willis Drlg	5	dsl	800	MC U15	800	100
	6	dsl	3000	Idco	3000	250
KENT						
Bandera Drlg	2	dsl	470	MC U34	360	65
Dixon Drlg	8	dsl	900	S/B N42	550	80
Douglas Drlg	2	dsl	900	BDW 650M	900	125
Robinson Drlg of Texas	3	dsl	750	MC U15	900	100
Verna Corp	10	dsl	700	MC U36A	1200	120
KING						
Mesa Drlg	1	dsl	725	TSM 6000	450	75
Wes-Mor Drlg	4	dsl	400	MC U15		75
	5	g-t	465	MC U15	290	75
KLEBERG						
Harkins & Co	11	dsl	1260	S/B N75	1260	125
Willis Drlg	9	dsl	1000	G-D 700	1000	120
LA SALLE						
South Texas Drlg	6	dsl	650	S/B N46	800	100
LAMB						
Sitton Drlg	7	dsl	450	Wils 75P	900	115
LAVACA						
B D K Drlg	4	dsl	1095	S/B N7	870	115
Faith Drlg	2	dsl	1500	Nat 55	1300	120
Howell Drlg	2	dsl	1550	Cbot 1200	1130	150
Padre Drlg	4	dsl	500	S/B H4210	400	75
Parker Drlg	215	gas	2200	OIME 1500C	2200	220
Spartan Drlg	17E	d-e	1000	Otwl 760E	1000	160
LEE						
B D K Drlg	9	dsl	1480	S/B N75	1000	120
Challenger Drlg	20	dsl	900	S/B N75	1000	120
Drillers	5	dsl	900	MC U15M	1200	110
M G F Drlg-Houston	7	dsl	700	MC U15	800	110
M G F Drlg-Midland	6	dsl	750	Nat T32	750	90
	7	dsl	850	S/B N55	850	120
	8	dsl	800	MC Rig U15	800	100
Nixon Drlg	7	dsl	400	Midway	600	65
Spartan Drlg	15E	d-e	600	Sup 700E	780	120
Sterling Drlg (TX)	10	dsl	1400	S/B N75	1100	130
LEON						
Culver Drlg	6	d-e	2000	G-D 2100	2000	300/ 5"
Henley Drlg	7	d-e	2600	C-E C2	2000	250
Justiss Oil	25	dsl	250	C-E GC350	450	120
	36	dsl	1000	1013	1200	160

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
LIBERTY						
Aguila Drlg	11	mch	250	Trailer Mounted		80
Bailey Drlg, Pernie	21	dsl	500	C-E J750	800	110
Goldrus Drlg	5	d-e	3400	Otwl E2000	1700	200
	20	dsl	1950	Cbot 1200	1054	150
M N D Drlg-Southern	7	dsl	1540	BDW 800	770	100
Pozos Intl Drlg Serv	1080	dsl	1500	Idco BIR8005	940	110
Rosamond Drlg	9	dsl	2300	G-D 700	1230	140
LIMESTONE						
Butler-Johnson	2	dsl	1900	S/B N85	1900	150
	12	dsl	1300	G-D M700	1300	125
Delta Drlg	5	dsl	2000	Nat 100	1560	160
FWA Drlg	26	dsl	2000	G-D 800M	1560	140
Gibson Drlg	5	dsl	1030	Wils 75P	700	90
M N D Drlg-Southern	2	dsl	1794	S/B N75	1024	140
Maxwell Herring Drlg	3	dsl	1000	G-D 800	1000	120
LIPSCOMB						
Drillers	23	dsl	600	MC U15	600	100
Hudson Drlg, Leonard	6	dsl	550	S/B N7	900	120
Jones Drlg Co, Loyd	88	dsl	1200	Cbot 750	750	100
Mercury Drlg	4	dsl	1500	MC U15	950	120
	11	dsl	1500	C-E U15	950	90
Service Drlg (TX)	13	dsl	400	MC U1500	800	120
Triad Drlg	9	dsl		BDW 650	800	120
Zenith Drlg	1	dsl	700	S/B N75	700	95
LIVE OAK						
Bawden Drlg, Peter (TX)	30	d-m	1850	C-E D3 Type III	1000	150
Dixilyn-Field Drlg	24	dsl	2800	Otwl 860	2331	180
FWA Drlg	25	dsl	2000	Wils 120	1560	160
Harkins & Co	1	dsl	1800	C-E C Type III	1800	180/ 5"
	9	dsl	2100	C-E A1100	2100	180/ 5"
Magee-Poole Drlg	5	dsl	1500	Cbot 900	950	110/ 4"
Nicor Drlg	51	d-m	1900	Idco H900M	1000	150
	56	d-e	2700	MC U1220EB	2000	250
Resource Drlg	5	dsl	2330	Nat 110	2740	180
	18	dsl	1940	Nat 610	1220	120
Rosamond Drlg	8	dsl	2475	Nat 130	2475	200
South Texas Drlg	7	dsl	910	Idco H1200	1200	150
LOVING						
Cactus Drlg Co	2	dsl	2200	Nat 110 M	2550	200
	30	dsl	2000	Nat 110	1850	200
Loffland Bros	20	d-e	3200	C-E C3000	3000	350
Parker Drlg	39	gas	1600	OIME Hercules 2500M	1600	230
	184	d-e	3000	OIME E3000	3000	300
Rod Ric	6	dsl	450	Beth S45E	450	75
Rowan Drlg US	8	dsl	2600	MC U1220S	2400	250
Santa Fe Drlg	SFW-16	d-e	1300	C-E C11	2000	250
Sharp Drlg	43	dsl	2331	Otwl M2000	2742	300
	55	dsl	2321	G-D 2100	2742	300
	60	d-e	3108	C-E C3 Type II	3656	300
	66	d-e	2331	MC U1220EB	2742	300
	72	d-e	2160	Otwl 840E	2430	220
Sterling Drlg (TX)	3	dsl	800	Nat 50CA	820	100
LUBBOCK						
D B Drlg	3	dsl	410	S/B N4	460	75
Norton Drlg	5	dsl	550	Wils 75	850	105
	8	dsl	550	Wils 75	900	140
Sitton Drlg	4	dsl	650	Wils 75P	900	100
	6	dsl	650	Wils 75P	900	100
LYNN						
Norton Drlg	11	dsl	550	Wils 75	900	120
McMULLEN						
Blocker Drlg-Alice	15	dsl	1265	Cbot 900	950	100
	17	dsl	825	S-H	530	70
Buzzini Drlg	11	d-e	3400	Otwl E3000	3000	300
Cinco Drlg	14	d-e	2400	OIME SD5	1500	140
Delta Drlg	63	d-e	2600	C-E C1 Type II	2592	160
Harkins & Co	4	dsl	1260	S/B N75A	1260	125
Helmerich & Payne Intl Drlg	37	dsl	2835	Otwl M2000	2835	220
Magee-Poole Drlg	8	dsl	1500	Cbot 900	950	110/ 4"
Santa Fe Drlg	SFW-	d-e	3200	C-E C3111	3000	300
MADISON						
Bailey Drlg, Pernie	22	dsl	1500	OIME SL5	900	130
M G F Drlg-Houston	38	dsl	1600	C-E C1	1200	170
M N D Drlg-Southern	6	dsl	1540	G-D 500	770	105
Nicklos Drlg	78	dsl	1400	Nat 80B	1080	140

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
MARTIN						
Drillers	24	dsl	900	S/B N55	900	120
FWA Drlg	30	dsl	1100	Wils Giant	900	100
Holliday Drlg	2	dsl	1200	Oiwl 76	1200	140
Hondo Drlg	11	dsl	1050	MC U15	700	100
Hurt & Assoc, Clint	12	dsl	1200	Wils 75	900	110
Landis Drlg	2	dsl	1000	S/B N75	1350	140
Moran Bros	66	dsl	1300	S/B N75A	750	150
Robinson Drlg of Texas	6	dsl	950	S/B N75	1350	125
Sharp Drlg	370	d-e	1488	MC U712EC	1995	180
Tahoe Drlg	2	dsl	800	C-E D1	800	100
	3	dsl	1000	C-E D2	1200	135
TMBR Drlg	5	dsl	700	Nat 50CA	600	105
	13	dsl	700	MC U15CA	500	105
	18	dsl	800	MC U15CA	840	100
Wes-Tex Drlg	20	dsl	600	Nat 50CA	900	100
MATAGORDA						
Delta Drlg	101	d-s	2600	C-E C1 Type II	2730	200
Pozos Intl Drlg Serv	981	dsl	1890	S/B N46	940	125
Richards-Armstrong	6	dsl	2500	Oiwl 860	2400	180
MIDLAND						
Britton Inds Drlg	1	dsl	1000	Oiwl 76	800	150
	4	dsl	1000	Nat 50CA	1000	130
Cactus Drlg Co	7	dsl	1400	Oiwl 76	1650	140
	11	dsl	850	C-E G350	1050	85
	15	dsl	1050	Beth 650	1200	150
	31	dsl	2000	Nat 1320	2550	250
	32	dsl	2000	Nat 1320	2550	250
	34	dsl	700	Nat 75	1200	120
FWA Drlg	2	dsl	1100	Wils Super Giant	1040	130
Hurt & Assoc, Clint	9	dsl	1300	Wils 75	900	110
	11	dsl	1200	Wils 75	900	110
Ladrido Drlg	4	dsl	1200	J750	1050	140
M G F Drlg-Midland	3	dsl	500	Nat 32	400	70
	5	dsl	500	C-E GA250	400	90
	10	dsl	900	Beth M58	900	120
	22	dsl	1500	Oiwl 760	1500	150
	25	dsl	1725	S/B N95	1725	190
	201	dsl	1600	Nat 1320UE	2000	300
	202	dsl	1600	Nat 1320 UE	2000	300
	203	dsl	1300	Nat 110UE	2000	200
Sharp Drlg	38	dsl	790	Beth M58	988	120
	52	dsl	1560	Beth M810	1636	190
	63	dsl	1500	C-E D3	1636	180
Sierra Drlg Co	4	dsl	500	OIME SL5	1000	150
Sterling Drlg (TX)	2	dsl	1500	Nat 610	1150	130
	4	dsl	1075	Nat 50A	900	120
	9	dsl	1350	S/B N75	1100	140
	16	dsl	1400	S/B N75	1230	140
	17	dsl	1500	S/B N75	1230	140
	22	dsl	1520	Nat 610	1100	130
Tierra Drlg	9	dsl	650	MC U15	700	100
	10	dsl	650	BDW 650	700	105
	11	dsl	650	BDW 650	700	120
	12	d-e	750	BDW 800MX	1000	140
	15		1000	MC U712EA	1200	160
	19	d-e	800	MC U36EA	650	120
	20	d-e	800	BDW 800	800	140
	21	d-e	800	BDW 800	800	140
TMBR Drlg	6	dsl	700	Nat 75CA	750	120
	25	dsl	700	G-D 500	700	110
	32	dsl	1200	Nat T16		
MILAM						
Nixon Drlg	2	dsl	300	Crdw	300	40
MILLS						
Cothrum Drlg	8					
MITCHELL						
GCO Drlg	1	dsl	640	Nat T20	450	75
Riley Drlg	3	dsl	300	MC U34	225	40
MONTAGUE						
Burns L D Drlg	3	dsl	800	Wils 75	780	105
	4	dsl	888	Wils 75	780	120/4"
C M D Drlg	1	dsl	400	Wils Mogul 42	400	70
Dual Drlg	36	d-e	2000	Oiwl 760	1000	160
Guffey-Schlensker Drlg	1	dsl	700	Unit U36A	933	110
Luke Grace Drlg	1	g-b	500	MC U15	750	105
Maxwell Drlg	1	dsl		Nat U15		100
	5	dsl		Beth M650		120
Schlensker Drlg	1	gas	700	Nat 75CA	1050	140
	4	gas	700	MC U15	800	100
Sun Country Drlg	31	dsl	500	Hyster A	560	100
MONTGOMERY						
Dixilyn-Field Drlg	11	dsl	2600	Nat 110M	2331	180
M N D Drlg-Southern	3	dsl	1794	S/B N75	1024	125
	5	dsl	1536	S/B N95	1536	180
	9	dsl	1840	G-D 500	770	105

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
MONTGOMERY (Cont'd)						
M N D Drlg Southern	10	d-e	1820	S/B N95	1820	200
	12	d-e	1820	MC U712	1200	160
	15	d-e	2000	MC U712	1200	160
Pozos Intl Drlg Serv	581	dsl	3000	S/B N12A	2650	250
Resource Drlg	RD-20	dsl	1040	Nat 610	1220	120
TL Drlg	20	dsl	4800	S/B N95	2400	180
MOORE						
Diatom Drlg	1	dsl	456	I-R 550	574	75
NACOGDOCHES						
Gibson Drlg	7	dsl	895	C-E GB350	660	85
Murco Drlg	6	dsl	2200	S/B N95	1000	140
Noble Drlg	OW-77	dsl	800	Oiwl 760	800	140
Nowotny & Conley Drlg	1	dsl	2000	OIME SL-1000	1200	150
Schlensker Drlg	9	dsl	1500	OIME 1500SL	2205	180
NAVARRO						
Noble Drlg	N-58	dsl	800	Nat 55	800	120
	N-59	dsl	800	Nat 55	800	120
Rosamond Drlg	5	dsl	1275	Beth MC450	1275	125
NEWTON						
Continental Drlg	11	d-e	2600	Idco E1700	1700	190
Elley Drlg	1	d-s	2800	Oiwl E2000	2000	250
Explorer Drlg	8	dsl	1836	Idco H1700	2000	150
Power Rig Drlg	16	d-s	2600	C-E C1 Type II	3084	180
NOLAN						
Mesa Drlg	3	dsl	675	Weis W45	550	80
Sojourner Drlg	1	dsl		MC U15	550	70
	3	dsl		MC U15	550	70
Wes-Tex Drlg	14	dsl	335	S/B N4	500	80
NUECES						
Cliffs Drlg	29	dsl	2600	Nat 110	2475	200
Harkins & Co	3	dsl	1260	S/B N75A	1260	125
J 3 Drlg	1	dsl	1375	MC U36A	950	140
	2	dsl	1650	MC U36A	950	140
	3	dsl	1100	MC U34B	750	85
	4	dsl	1100	MC U34B	750	85
	5	dsl	2470	MC U914	2470	200
Magee-Poole Drlg	7	dsl	1130	Cbot 750	608	90/4"
PRC Drlg	2	dsl	880	MC U34	460	75/4"
	8	dsl	770	S/B N95A	777	180
	9	dsl	1140	RMI 4010	1140	140
OCHILTREE						
Eagle Drlg	3	dsl	1100	BDW 800	1500	140
Hudson Drlg, Leonard	1	dsl	900	MC U15	900	115
	3	dsl	900	MC U15	900	115
ONEOK Drlg	2	d-e	1410	MC 36A	1000	130
Rine Drlg	4	gas	750	S/B N75	750	120
Service Drlg (TX)	5	dsl	1000	MC U15	800	100
Unit Drlg & Expl	1	dsl	500	MC U15	800	110
	3	dsl	700	Nat 50A	800	110
	4	dsl	500	MC U15	800	110
	7	dsl	500	MC U15	800	110
Zenith Drlg	3	dsl	800	S/B N75	800	100
	5	dsl	1100	BDW 800	1100	160
OLDHAM						
Baker & Taylor Drlg	1	dsl	870	MC U15	870	100
	7	dsl	870	MC U15	870	110
	8	dsl	870	MC U15	870	110
	9	dsl	870	MC U15	870	110
	10	dsl	870	MC U15	870	110
	11	dsl	1140	C-E GCA500	1140	120
	12	dsl	870	MC U15	870	110
	19	dsl	870	MC U15	870	110
ORANGE						
Big 6 Drlg	6	dsl	800	Cbot	950	120
Spartan Drlg	12	d-e	500	Sup 700E	700	100
PALO PINTO						
Carter Dev	2	dsl	300	Wils Mogul	300	60
E & H Drlg	1	dsl	700	MC U15	700	75
M N D Drlg-Northern	53	dsl	800	MC U15	600	90
Seely & Co	1	dsl	290	G-D 1500	290	15
PANOLA						
Gibson Drlg	10	dsl	1200	C-E D2	1200	120
Hinton Drlg, W B	8	dsl	1300	S-H 7000	400	100
Sawyer Drlg & Serv	11	dsl	800	Wils Giant	400	90
	13	dsl	400	Wils Giant	400	90
Wheless Drlg	2	dsl	1200	C-E D2	1200	110
PARKER						
Sun Country Drlg	26	dsl	700	Crdw L	350	40
	34	dsl	400	Hyster B	500	75

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
PECOS						
Delta Drlg	36	dsl	2600	C-E C2 Type III	2331	230
	100	d-e	2000	C-E D3	1560	160
FWA Drlg	14	dsl	900	Wils Mogul 42	600	75
Henley Drlg	2	d-e	2600	C-E C2	2000	250
Hillin Drlg	2	dsl	800	C-E G500	800	110
	5	dsl	1200	Nat H1200	1200	150
Kensi Drlg of Texas	13	dsl	800	C-E GA250T	400	65
	20	dsl	500	C-E GB250T	400	65
Loffland Bros	112	d-e	3300	MC U1220EB	2200	250
Moran Bros	58	dsl	1300	Cbot 750	750	90
Parker Drlg	16	gas	1000	Oiwl 76	1000	160
	74	gas	1400	Nat 100M	1400	225
	87	gas	1800	Idco E2000	1800	250
	121	d-e	2700	Idco E3000	3000	300
Resource Drlg	2	dsl	1560	Nat 80B	1835	140
Sharp Drlg	34	dsl	2331	Beth 1013	2742	300
	64	dsl	1560	Oiwl 760	1836	180
	67	dsl	2331	MC U914C	2742	235
	73	d-e	4250	C-E C3	4640	300
Tri-Service Drlg	5	g-b	1800	Oiwl 760	1400	160
Wes-Tex Drlg	7	dsl	335	S/B N4	450	80
POLK						
Cliffs Drlg	33	dsl	2000	Nat 80B	1650	145
Delta Drlg	6	dsl	2600	C-E C1 Type III	2592	220
	80	dsl	1300	S-H 7000	480	90
Forex Neptune and/or Affil	46	d-e	3200	G-D 1500E	2000	217
Woolf & Magee	11	dsl	850	Beth S45E	500	95
RAINS						
Delta Drlg	21	dsl	2300	G-D 1100	2592	170
	54	dsl	2000	Nat 80B	1560	140
Hinton Drlg, W B	7	dsl	1600	Nat 80B	1650	150
Transcontinental Drlg-Magnolia	35	dsl	1000	G-D 800M	1000	150
REAGAN						
Big Chief Drlg	9	dsl	1200	Idco H35S	700	100
	24	gas	1200	MC U15	900	110
BJM Drlg & Expl	5	dsl	600	MC U15	600	120
D B Drlg	8	dsl	550	Beth S55	720	95
	14	dsl	730	Nat 50CA	730	110
Dual Drlg	19	dsl	2100	Oiwl 760	1000	160
FWA Drlg	1	dsl	1300	Wils Giant	900	110
	4	dsl	1365	Wils Giant	900	110
	8	dsl	1065	Wils Giant	900	110
Hondo Drlg	8	dsl	1100	S/B N45	700	120
Hurt & Assoc, Clint	10	dsl	1200	Wils 75	900	110
M G F Drlg-Midland	2	dsl	800	MC U15	800	100
Moran Bros	54	dsl	970	Nat T20	300	60
	67	dsl	1700	C-E D3 Type III	1000	150
Riley Drlg	2	dsl	300	Nat	300	45
Tahoe Drlg	1	dsl	900	Nat 50CA	1000	110
	4	dsl	950	G-D 500M	950	120
	5	dsl	800	Wils 75	800	100
Tierra Drlg	6	dsl	850	S/B N4	800	80
Wes-Tex Drlg	12	dsl	335	S/B N4	500	80
REEVES						
Cactus Drlg Co	62	dsl	550	Idco H35	454	60
Kensi Drlg of Texas	18	dsl	410	Idco H35	450	65
Parker Drlg	88	d-e	2700	Nat 130	3000	300
Sharp Drlg	59	dsl	2331	Beth MC950	2742	230
Willbros Drlg	9	d-s	3000	Idco E1700	3000	250
Wilson Bros Drlg	20	dsl	800	Nat 80B	1425	160
REFUGIO						
Burro Drlg	1	dsl	500	Wils Mogul 42	500	90
Corpus Christi Drlg	5	dsl	300	Wils Super 38	250	60
J & C Drlg	9	dsl	1050	Wils 600	630	90
San Patricio Corp	5	dsl	1000	Shaf 800	600	90
ROBERTS						
Baker & Taylor Drlg	3	dsl	1200	MC U20	1200	180
Sage Drlg	4	dsl	800	MC U15	800	110
Service Drlg (TX)	4	dsl	500	MC U15	800	92
	9	dsl	1000	MC 800	800	100
ROBERTSON						
M N D Drlg-Southern	4	dsl	1540	G-D 1100	1540	180
RUNNELS						
Bandera Drlg	6	dsl	600	MC U34	360	65
	10	dsl	775	MAC 300	475	75
Hack Drlg	2	dsl	350	S/B N4	350	70
Langle Drlg, LeRoy	1	dsl	225	Jaswell	525	35
Morrison Drlg & Prod	101	dsl	450	Nat T20	476	60
Safari Drlg	1	dsl	640	MC U15	640	100
	3	dsl	340	S/B N4	300	70

TEXAS (Cont'd)

Contractor	Type Power	Rig No.	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
RUSK						
Cothrum Drlg	3	dsl	1200	S/B N72W	912	120
Gibson Drlg	2	dsl	526	Wils Mogul 65	398	50
	11	dsl	1200	C-E D2	1200	120
	12	dsl	900	C-E D2	900	120
Globe Drlg	5	dsl	850	Otwl 76	1000	140
	6	dsl	700	C-E C50	700	100
Grace France Drlg	7	dsl	1300	G-D 500	800	110
Justiss Oil	5	dsl	450	Beth S45E	300	65
Lester Drlg, Dan	9	dsl	1900	Otwl 760	1500	160
Loffland Bros	203	dsl	1140	MC U15	1000	100
Nowotny & Conley Drlg	7	dsl	1800	Nat 610	620	130
Rainbow Drlg	3	dsl	1600	Cbot 900	900	110
Schlensker Drlg	6	dsl	950	MC U15	950	100
SABINE						
Challenger Drlg	47	dsl	700	G-D 500	600	80
Justiss Oil	31	g-b	500	Wils Giant Roadair	650	100
Rosamond Drlg	11	dsl	1425	OIME SL5	1425	150
SAN PATRICIO						
Corpus Christi Drlg	4	dsl	300	Wils Super 38	250	54
Frio Drlg	5	d-e	1000	Idco ED1200	1200	160
Harkins & Co	5	dsl	1200	Cbot 750	650	95/4"
Magee-Poole Drlg	4	dsl	1500	Cbot 900	950	110/4"
Padre Drlg	2	dsl	500	S/B H4210	400	75
	9	dsl	1300	S/B 4610	450	85
Southland Drlg	8	dsl	700	C-E GB350	700	80
SCHLEICHER						
Mellon Drlg	1	dsl	750	C-E GB250	570	78
Tucker Drlg	8	dsl	550	Idco H40	550	90
	9	dsl	750	Nat	750	100
	10	dsl	750	S/B N45	750	75
Wes-Tex Drlg	6	dsl	650	Beth S60	700	100
SCURRY						
D B Drlg	2	dsl	475	Nat T32	460	80
	11	dsl	475	Nat T32	730	85
	24	dsl	550	Beth S45E	600	80
GCO Drlg	4	dsl	1200	BDW 650M	650	100
Wes-Tex Drlg	21	dsl	350	MC U34	450	70
SHACKELFORD						
Bandera Drlg	1	dsl	750	MAC 300	475	75
	5	dsl	650	MAC 300	475	75
Jones Drlg Co	51	dsl	425	S/B N4	425	60
	53	dsl	225	Houston Portable	225	30
	54	dsl	425	Beth S45	425	60
	55	dsl	450	Beth S45	425	70
SMITH						
Continental Drlg	42	d-e	3200	Idco E2100	2100	250
Delta Drlg	40	dsl	1500	C-E D2 Type III	784	110
	44	dsl	2000	S/B N95	1560	160
	64	dsl	1500	C-E D2 Type III	784	110
	74	dsl	1000	S-H 7000	480	90
Globe Drlg	7	dsl	3000	G-D 1100	1500	200
Henley Drlg	6	dsl	2580	C-E D3	1720	140
Hinton Drlg, W B	5	dsl	900	S-H 7000	450	100
Lester Drlg, Dan	10	dsl	1800	Otwl 860	2400	200
Maxwell Herring Drlg	12	dsl	1500	Wils 150A	2500	150
	18	dsl	3250	G-D 1100	2700	230
	19	dsl	2100	G-D 1100	2100	180
Murco Drlg	30	dsl	2800	Otwl N200B	3000	250
Schlensker Drlg	20	dsl	1270	Nat 75CA	1270	140
Verna Corp	21	dsl	550	MC	600	100
	22	dsl	550	MC U15	600	100
	23	dsl	550	MC U15	600	100
	24	dsl	550	MC U15	600	100
	25	dsl	1000	MC U15	600	100
	27	dsl	1000	MC U15	600	100
	29	dsl	1000	MC U15	600	100
	30	dsl	550	MC U15	600	100
	32	dsl	1212	Verna U15	500	110
	35	dsl	1000	Idco 711SJ	1200	140
	37	dsl	1212	MC U15	550	110
STARR						
Alanco Drlg	1	dsl	800	Idco H40	500	85
Bawden Drlg, Peter (TX)	7	dsl	1200	Nat 55	700	115
Cinco Drlg	6	dsl	1015	MC U15	780	110
Harkins & Co	8	dsl	1800	C-E C1 Type III	1800	160/5"
San Patricio Corp	6	dsl	1500	Shaf 800	900	130
Willis Drlg	1	dsl	1000	Beth B-Line MC450	1000	120
STEPHENS						
Jones Drlg Corp	12	dsl	1200		1200	100
Lowe Drlg	2	dsl	475	MC U34	475	60
Seaty & Co	2	dsl	350	Fail 2500	350	25
Wes-Mor Drlg	2	dsl		MC U34		60
	6	g-b		MC U34		45
	11	dsl		Wils Roadair		60
STERLING						
D B Drlg	9	dsl	410	Schf 5058000	440	85
GCO Drlg	6	dsl	820	BDW 650M	650	90
	8	dsl	1000	Nat 370	650	104
McBay Oil & Gas	2	dsl	3406	Beth S50	3406	80
Robinson Drlg of Texas	5	dsl	750	MC U15	900	95
Tucker Drlg	2	dsl	750	C-E GB500	750	100
	5	dsl	750	C-E GC500	750	100
TMBR Drlg	8	dsl	700	Nat 50CA	800	105
	26	dsl	700	G-D 500	700	110
Wes-Tex Drlg	1	dsl	650	Nat 50A	650	100
	3	dsl	700	Nat 50A	700	100
	11	dsl	450	Beth S55	700	100
STONEWALL						
Bandera Drlg	9	dsl	700	MAC 300	475	75
Hack Drlg	3	dsl	350	Beth S45E	350	70
Morrison Drlg & Prod	103	dsl	476	Idco H35	550	85
Wes-Mor Drlg	1	dsl		MC U15		80
SUTTON						
D B Drlg	22	dsl	350	Unit U34	450	75
Delta Drlg	73	dsl	500	S-H 7000	440	90
TMBR Drlg	11	gas	500	MC U15	500	100
	15	gas	700	MC U15	500	105
Wes-Tex Drlg	8	dsl	335		500	80
TAYLOR						
D B Drlg	21	dsl	410	S/B N4	460	75
Dixon Drlg	11	dsl	700	Nat T20	450	75
Douglas Drlg	1	dsl	700	Nat 50CA	700	100
Hack Drlg	1	dsl	350	S/B N4	350	70
Lynx Drlg	2	dsl	500	Idco H30	360	70
	4	dsl	750	TSM-6000	540	90
Safari Drlg	7	dsl	480	C-E G42	560	70
TERRELL						
Cactus Drlg Co	1	dsl	2000	Nat 110M	1650	200
Parker Drlg	89	gas	1600	Nat 1320	1600	230
Rowan Drlg US	12	dsl	2000	Nat 1320M	2100	180
TERRY						
Dual Drlg	14	dsl	1560	Otwl 760	1000	150
GCO Drlg	3	dsl	820	BDW 650M	650	120
Kenai Drlg of Texas	14	dsl	700	C-E GC500	700	115
Resource Drlg	RD-23	dsl	1040	Nat 610	1220	120
TMBR Drlg	24	dsl	1100	G-D 700	1100	140
	31	dsl	600	MC U15	500	70
THROCKMORTON						
Ashtola Drlg	1	dsl	800	MC U15	600	75
Megargel Drlg	4	dsl	350	Beth S45B	275	53
	10	dsl	750	MC U15	750	70
Tommy's Otwell Drlg	7	dsl	800	S-H 5000	476	70
TOM GREEN						
Bandera Drlg	11	dsl	925	BDW 450T	540	90
Bearden Drlg, Jack E	5	dsl	1200	Wils 75	900	95
	9	dsl	1200	Wils Mogul Super 42	900	90
McBay Oil & Gas	1	dsl	3406	Wils Super 38	3306	50
Mellon Drlg	3	dsl	750	Beth S50	375	62
Tucker Drlg	1	dsl	750	S/B N55	750	100
	3	dsl	350	S/B N45	600	65
	4	dsl	214	MC U15	450	75
	7	dsl	375	Beth 560	600	70
	12	dsl	750	Nat 50A	750	100
TYLER						
Cliffs Drlg	41	dsl	2600	Nat 1320	2475	250
Diamond M Land Drlg	175	dsl	2000	MC 1220	2000	250
Sojourner Drlg	7	dsl	350	MC U15	7500	75
	10	dsl		MC U15	550	70
UPSHUR						
Exeter Drlg Southern	57	dsl	1500	C-E D3	1500	160
H & S Drlg	2	dsl	1700	S/B N95	2145	140
Lester Drlg, Dan	8	dsl	1850	Otwl 760	1500	160
Maxwell Herring Drlg	17	dsl	2500	Beth 1500	2400	200
Rainbow Drlg	5	dsl	2000	Cbot 1200	1200	150
Resource Drlg	RD-31	dsl	1560	Nat 80B	1835	140
	4	dsl	1560	Nat 80B	1835	140
Thunderbolt Drlg	52	dsl	1700	Nat 55	1845	130
Woolford Magee	2	dsl	1550	G-D 700	1000	135
UPTON						
Delta Drlg	2	dsl	1400	G-D 700M	784	125
FWA Drlg	3	dsl	1250	Wils Super Giant	1040	130
	11	dsl	1065	Wils Giant	900	110
	17	dsl	1400	Wils Giant	900	110
Hondo Drlg	6	dsl	1000	MC U15	700	100
UVALDE						
Dixon Drlg	10	dsl	900	S/B N46	950	100
VAL VERDE						
Delta Drlg	61	dsl	1800	Idco Super 711	1840	150
Tri-Service Drlg	11	d-e	3000	MC 1220ED	3000	200
VAN ZANDT						
Cape Drlg	6	dsl	1500	MIDWAY 750D	800	135
Gibson Drlg	9	dsl	1030	Wils Mogul 75P	700	90
Wilson Bros Drlg	8	dsl	1750	Nat 110	1750	160
VICTORIA						
B D K Drlg	6	dsl	1000	S/B 4610	950	100
	8	dsl	1000	S/B 4610	750	100
Bilbo Drlg	1	dsl	500	S/B N4A	500	80/4"
	3	dsl	900	Crdw KB250	600	80/4"
	4	dsl	800	Cbot 900	900	115
Continental Drlg	2	d-e	2600	Idco E1700	1700	190
	14	d-e	2000	Idco ED1200	1200	160
Corpus Christi Drlg	6	dsl	300	S/B 550	450	60
FWA Drlg	29	dsl	2600	Nat 110	2400	200
Houtech Drlg	103	dsl	1600	G-D 700	1200	150
	104	dsl	1600	G-D 700	1200	150
Kelley & Kerr Drlg	KK-3	d-e	2000	OIME SD7	1500	180
PRC Drlg	10	dsl	1075	Coop LTO700	550	95
Southland Drlg	1	dsl	700	C-E GB500	700	100
	2	dsl	1300	S/B 75A	1150	120
	5	dsl	700	S/B N55	700	100
	9	dsl	600	S/B N45	600	75
	10	dsl	1800	Beth 810	1800	170
	11	dsl	2300	MC A1500	2300	240
	12	dsl	2300	MC 1500A	2300	240
	14	dsl	2225	C-E A1500	2500	240
	16	dsl	1995	S/B N12A	2200	170
WALKER						
Tesoro Drlg	4	dsl	2600	Nat 1320M	2742	250
WALLER						
Bawden Drlg, Peter (TX)	3	d-e	2100	Nat 110E	1500	160
	4	d-e	2000	Nat 80UE	1000	140
	5	mch	2000	Nat 110M	1500	180
	26	mch	1550	Otwl 76	700	130
Rainbow Drlg	6	dsl	1600	Cbot 900	900	110
TL Drlg	2	dsl	2000	S/B N75	1200	140
WARD						
Cactus Drlg Co	59	dsl	550	S/B N4	454	60
Hillin Drlg	3	dsl	500	BDW 450T	575	75
	8	dsl	500	Wils 42 Mogul	400	60
Johnn Drlg	9					
Loffland Bros	117	d-e	3300	MC U1220EBD	3300	250
WASHINGTON						
Haning & Young	101	d-m	1600	Nat 610	750	125
Kelley & Kerr Drlg	KK-2	d-e	2000	OIME SD7	1500	180
WEBB						
Alanco Drlg	2	dsl	1000	Idco H40	800	100
	3	dsl	1425	Idco H1000	975	110
Atco Drlg Southern	19	dsl	1500	Otwl 66	700	105
	50	dsl	1850	Nat 100HD	750	150
Bearden Drlg, Jack E	6	dsl	1200	Wils 75	900	95
Cothrum Drlg	1	dsl	774	C-E 350	636	95
Culver Drlg	3	dsl	800	G-D 800	800	160
Delta Drlg	17	d-s	2300	C-E C1 Type II	2592	160
Dixilyn-Field Drlg	14	d-e	2200	Otwl 840E	2000	180
Harkins & Co	7	dsl	1650	Nat 110	1650	160/5"
Kelley & Kerr Drlg	KK-1	d-e	2000	OIME SD7	1500	180
Moran Bros	39	d-s	2600	C-E C1 Type II	1500	200
PRC Drlg	6	dsl	1790	S/B N75A	1040	140
	7	dsl	1700	G-D 800M	1040	162
Resource Drlg	16	dsl	1560	Nat 80B	1835	140
Rio Colorado Drlg	145	dsl	2000	Nat 110	1650	180
South Texas Drlg	4	dsl	1000	S/B 1046	750	100
Texas Drlg	2	dsl	1700	S/B N7	1200	125
	3	dsl	1700	Nat 50A	1455	125
	5	dsl	1700	Cbot 1200	1200	170
	6	dsl	1200	Cbot 900	950	110
	7	dsl	1700	Cbot 900	900	115
	8	dsl	2000	Cbot 1200	1200	150
	9	dsl	1800	C-E D2	1200	140
	10	dsl	2000	Cbot 1200	1200	150
Williams Drlg of South TX	2	dsl	1280	Cbot 900	900	105/4"
	3	dsl	800	Idco BIR8085	950	115/4"
	4	dsl	800	Idco BIR8085	950	115/4"

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
WHARTON						
B D K Drlg	1	dsl	1000	Wils Giant	580	85
Bawden Drlg, Peter (TX)	2	d-e	2600	Nat 1320UE	2000	220
Challenger Drlg	36	dsl	650	Nat G45	700	95
FWA Drlg	16	dsl	1350	Wils Mogul 42	730	90
Padre Drlg	6	dsl	500	S/B H4210	400	75
Spartan Drlg	7	d-e	600	Sup 700E	700	100
WHEELER						
Arden Drlg	8	dsl	3400	C-E CE3000	3000	300
Beard Drlg (OK)	3	dsl	1379	MC U10	1029	140
Cliffs Drlg	27	dsl	2600	Nat 1320	2475	250
Continental Drlg	33	d-e	2600	Idco E1700	1700	190
Cothrum Drlg	10	dsl	1500	G-D 1500	2250	240
Grace/T R G Drlg	20	d-e	2200	G-D 1100E	2400	180
Helmerich & Payne Intl Drlg	47	dsl	2475	Oilwell M2000	2730	260
Loffland Bros	222	d-e	3300	MC U1220B	2200	280
Noble Drlg	OW-22	e-s	3300	Oilwell E2000	3300	250
Parker Drlg	162	dsl	2200	OIME SL1500P	2200	220
Ratliff Drlg	31	dsl	1650	Texas Flange	1650	180
Sharp Drlg	68	d-e	2331	Oilwell M2000E	2742	300
Trigg Drlg	7	dsl	1200	S/B N95	1600	200
Unit Drlg & Expl	18	dsl	1000	G-D 700	1300	160
Viersen & Cochran Drlg	18	dsl	3200	Nat 1320UE	3417	250
WICHITA						
Burns L D Drlg	9	dsl	550	Hoop GTXXA	425	65/4"
WILBARGER						
Burns L D Drlg	6	dsl	1360	MC U36A	780	140
WILLACY						
Nicklos Drlg	77	d-e	1600	C-E C1II	1530	180
Padre Drlg	3	dsl	700	RMI	800	100
Willis Drlg	4	dsl	1200	S/B N85	1200	140
WILSON						
Bearden Drlg, Jack E	2	dsl	1500	Wils 75	900	90
WINKLER						
Britton Inds Drlg	2	dsl	1000	Nat 320A	1000	120
Cactus Drlg Co	63	dsl	550	S/B N4	484	60
Cherokee Drlg & Dev	6	dsl		BDW 450	670	70
Henley Drlg	219	dsl	1650	S/B N46	950	120
WISE						
Bennett Prod Corp	1	dsl	900	MC U15	900	130
M N D Drlg-Northern	51	dsl	980	Nat 50	550	70
	52	dsl	550	MC U15	550	70
	54	dsl	800	MC U15	600	90
	55	dsl	800	MC U15	800	90
	60	dsl	800	MC U15	800	95
	61	dsl	700	MC 36A	600	115
	62	dsl	800	MC U15	800	90
	65	dsl	700	MC U36A	700	120
	66	dsl	700	MC U36A	700	120
	1359	dsl	450	C-E-350	450	60
	5001363	dsl	800	MC U15	800	95
	5001364	dsl	800	MC U15	800	95
WOOD						
Cape Drlg	2	dsl	1000	S/B TR7W	600	85
Gibson Drlg	1	dsl	606	Wils Mogul 42	398	50
	5	dsl	529	Wils 65	380	50
Goldrus Drlg	3	d-e	1700	Oilwell E2000	3400	200
Helmerich & Payne Intl Drlg	40	dsl	1650	Oilwell 860	1915	200
	79	d-e	2200	Nat 110UE	1500	200
Justiss Oil	28	dsl	700	Oilwell 96	1000	150
Thunderbolt Drlg	20	dsl	1150	Wils Mogul	478	80
	53	dsl	1400	Wils 75	950	110
YOAKUM						
Collier Drlg	12	dsl				70
D B Drlg	23	dsl	720	Unit U15	720	105
Henley Drlg	8	dsl	2580	C-E D3	1720	140
Hillin Drlg	9	dsl	600	Idco H40	600	80
Moran Bros	37	dsl	1000	Nat 610	780	120
Norton Drlg	1	dsl	450	Wils 65P	850	100
	2	dsl	450	Wils Mogul 42	650	70
Sharp Drlg	62	dsl	1132	C-E D3	1272	140
Sitton Drlg	1	dsl	450	Wils 800	525	85
TMBR Drlg	2	dsl	350	Weis W45	450	70
	17	dsl	350	MC U15CA	500	90
Verna Corp	2	dsl	800	S/B N55	800	125
YOUNG						
Burns L D Drlg	8	dsl	444	MC U34B	350	75
E & H Drlg	5	g-l	550	Wils Giant	550	75
	6	dsl	600	Wils Mogul	350	65
	7	dsl	500	Nat T32	350	65
Franklin Drlg	1	dsl	300	G-D 1500	300	15
	2	dsl	400	G-D	400	25

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
YOUNG						
Megargel Drlg	16	dsl	500	Shaf S8000	500	80
Tommy's Oilwell Drlg	6	dsl	478	Wils 550		55
Wes-Mor Drlg	10	dsl		MC U15		75
ZAPATA						
Atco Drlg Southern	19	d-e	2000	Nat 80UE	1000	150
	57	d-e	1600	Nat 610UE	800	120
Blocker Drlg-Alice	9	dsl	1115	Idco H1000	950	100
Delta Drlg	94	d-s	2000	C-E D3 Type II	2592	160
Harkins & Co	2	dsl	1500	S/B N95	1500	140
	6	dsl	1260	S/B N75A	1260	125
Loffland Bros	86	d-e	2160	MC U712	2400	160
Magee-Poole Drlg	9	dsl	2350	Cbot	*500	160

UTAH

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
Bawden Drlg Ltd, Peter	21E	d-s	2000	C-E C1		200
Penrod Drlg	20	dsl	2600	Nat 1320M	1950	250
	102	dsl	1600	Nat 610M	984	160
CARBON						
Nicor Drlg	46	g-l	2000	C-E C1E	1500	210
Viersen & Cochran Drlg	7	dsl	1700	MC U712A	1554	180
DAGGETT						
All Western Drlg	2	gas	800	MC U15	700	100
Parker Drlg	163	dsl	1650	OIME SL1500	1650	200
	193	dsl	3200	OIME 3000E	3000	350
DUCHESNE						
Grace-Bomac Drlg	91	dsl	1500	Nat 80B	1500	180
Nicor Drlg	60	dsl	1350	Nat 55M	700	150
Olsen Drlg	2	dsl	1250	Nat C50A	1000	100
	5	dsl	6015	Crdw L350	500	75
Parker Drlg	117	gas	2000	Nat 110	2000	220
Rio Grande Drlg	2	dsl	1000	Nat 80B	1500	160
TWT Expl	51	dsl				55
	55	dsl				80
	57	dsl				170
	58	dsl				140
	59	dsl				130
Viersen & Cochran Drlg	13	dsl	1850	Nat 80B	1500	180
W E S Corp	7		1000	Wils Giant	1000	120
	51	dsl				90
	55	dsl				130
GARFIELD						
Kenting Drlg	20-E	d-e	2400	MC U914 EC	2000	200
Loffland Bros	58	d-e	1600	Nat 80B	2000	150
GRAND						
Nicor Drlg	57	dsl	1060	Nat T45	550	106
Veco Drlg	9	dsl	1200	Idco 725	750	110
IRON						
Grace-Bomac Drlg	93	d-e	3645	Nat 13J0UE	2000	250
MILLARD						
Montgomery Drlg	31	dsl	2000	Nat 110UE	2700	180
MORGAN						
Anderson-Myers Drlg	17	dsl	2300	Nat 110	2300	220
Exeter Drlg Northern	43	dsl	2250	C-E C Type III	2250	200
RICH						
Grace-Bomac Drlg	44	dsl	1500	G-D 800	1500	180
Westburne Drlg	66	dsl	1200	G-D 1100E	1500	200
SAN JUAN						
Arapahoe Drlg	2	g-b	300	Nat T32	320	80
Bayless Drlg	1	dsl	1500	Idco H1000	950	100
	5	dsl	1500	Coop LTO550	550	85
Brinkerhoff-Signal	78	dsl	800	G-D M500	800	100
Coleman Drlg	2	dsl	1100	Idco H40D	638	80
	3	dsl	900	Idco H44CSC	636	80
	4	dsl	1300	S/B MODN46	930	100
Energy Search Drlg	1	dsl	1500	Cbot 800	900	100
Forwest	6	d-s	2600	Nat 110UE	2000	200
Four Corners Drlg	5	dsl	1500	Crdw KB500	700	80
	8	dsl	1500	Crdw KB500	750	80
Parker Drlg	118	d-e	1650	Nat 80B	1650	200
SEVIER						
Grace-Bomac Drlg	56	dsl	2250	G-D 1100M	2250	200
SUMMIT						
Brinkerhoff-Signal	73	dsl	1500	Nat 80B	1500	150
	88	dsl	4000	Nat 110UE	2000	200

UTAH (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
SUMMIT (Cont'd)						
Loffland Bros	8	dsl	2100	MC U914C	2400	200
	186	dsl	2180	MC U914C	2400	200
Manning, R L	31	d-s	1350	C-E D2	700	110
	32	d-e	1600	C-E D3	1000	180
	33	d-e	1850	C-E C1	1500	200/5"
	35	d-e	2400	C-E C1	1900	200/5"
Noble Drlg	N-118	e-s	3000	Nat 110UE	3000	200
	OW-862	dsl	2400	Oilwell 860	2400	180
Norton Drlg	9	d-e	1350	G-D 110E	1500	200
Parker Drlg	171	dsl	1650	OIME 1500P	1650	200
	173	dsl	1650	OIME 1500P	1650	200
	183	dsl	1650	OIME 1500P	1650	200
Transcontinental Drlg-Denver	41	dsl	2450	G-D 1100	2925	180
Viersen & Cochran Drlg	11	dsl	2900	Nat 110	3400	200
UINTAH						
Brinkerhoff-Signal	85	dsl	550	Nat 370	800	90
	86	dsl	1000	Nat 80B	1500	160
Loffland Bros	236	dsl	1260	MC U15	1000	100
Manning, R L	10	dsl	720	Oilwell 660	720	100
	23	dsl	800	S/B N45	740	75
Nicor Drlg	66	dsl	2000	MC U712A	1200	160
Parker Drlg	177	dsl	1650	OIME SL 1500	1650	185
Roden Drlg, J B	5	dsl	650	C-E GB350	650	105
Shelby Drlg	53-E	d-e	1000	Nat 370ESCR	700	100
TWT Expl	56	dsl				120
W E S Corp	58	dsl				140
UTAH						
Loffland Bros	221	dsl	2650	MC U1220AE	3000	250
WAYNE						
Loffland Bros	1	dsl	1290	MC U40	1440	130

WASHINGTON

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
BENTON						
Brinkerhoff-Signal	32	dsl	1000	C-E GC350	485	80
	70	dsl	550	Crdw KW250	450	65
GRANT						
Brinkerhoff-Signal	53	d-e	2325	Nat 110	2325	200
LEWIS						
Taylor Drlg	4	dsl	1000	Nat 50	750	90

WEST VIRGINIA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
Ray Resources	3	dsl	450	Idco BR5525	600	80
	4	dsl	450	Idco BR5525	600	80
	6	dsl	450	Idco DR7015	700	90
	7	dsl	450	Crdw KB500	700	80
	8	dsl	450	S/B N55	800	100
	9	dsl	450	Idco H35	600	85
BARBOUR						
Union Drlg	15	dsl	1200	Idco BR5525	425	60
CABELL						
FWA Drlg	13	dsl	275	Wils Giant	300	45
	22	dsl	275	Wils Super 38	300	45
CALHOUN						
Hurt & Assoc, Clint	3	dsl	350	Wils Super 38	350	50
JACKSON						
Hurt & Assoc, Clint	2	dsl	350	Wils Super 38	350	50
	4	dsl	350	Wils Super 38	350	50
Smith Petr, Carl E	4	dsl		C-E GB250T	600	100
	5	dsl		MC NDT335		45
	7	dsl		Idco BR5525	500	75
KANAWHA						
Smith Drlg	10	dsl	3550	Chal M320	380	50
MASON						
Union Drlg	4	dsl	1200	S-H 6000	340	70
MINGO						
Union Drlg	3	dsl	1200	Idco 650	425	90
PLEASANTS						
FWA Drlg	15	dsl	275	Wils Super 38	300	45
Hurt & Assoc, Clint	1	dsl	350	Wils Mogul 42	500	75
	5	dsl	350	Wils Super 38	350	50
	6	dsl	350	Wils Mogul 42	500	70
	7	dsl	350	Kremco K800	500	75

WEST VIRGINIA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft. Rated Depth With
ROANE						
Hart & Assoc, Clint	8	dsl	350	Kremco K600	500	75
UPSHUR						
Union Drlg	1	dsl	1200	Crdw KM250	425	90
	5	dsl	1200	Crdw 350	380	80
	9	dsl	1200	Cbot Exp III	425	90
WIRT						
FWA Drlg	23	dsl	275	Wils Supvr 38	300	60
Ray Resources	14	dsl		Nat T20	600	65

WYOMING

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft. Rated Depth With
UNDESIGNATED						
Baltic Drlg	1	dsl	870	Sup 700	800	105
Dixilyn-Field Drlg	38	d-e	3720	Nat 110UE	2000	180
Penrod Drlg	23	dsl	2600	Nat	1950	250
	115	dsl	1800	Nat 1625ME	3000	300
ALBANY						
Barnhart Drlg	4	dsl	350	G-D 15W	350	15
BIG HORN						
Anderson-Myers Drlg	6	dsl	1800	C-E GB800	1800	150
Barnhart Drlg	2	dsl	600	Nat T20	350	50
	3	dsl	600	Idco H35	350	60
Roden Drlg, J B	6	dsl	750	Nat CA75	750	130
Simmons Drlg	41	dsl	330	Hycalog HH8000	350	68
CAMPBELL						
Anderson-Myers Drlg	9	dsl	1200	Nat 55	1200	120
Apollo Drlg	6	dsl	1020	Olwl 76	1020	120
	23	dsl	1100	Nat 50A	810	90
Atco Drlg	8	dsl	1230	C-E A550	1230	120
	54	d-e	1800	Nat 610UE	1800	120
Brinkerhoff-Signal	5	dsl	1500	Nat 80	1500	150
	21	dsl	1040	C-E GC500	1040	115
Burris Drlg	119	dsl	450	MAC 400	500	105
Cyclone Drlg	1	dsl	800	MC U15	800	90
	2	dsl	800	Beth M58	800	120
	3	dsl	1250	MC U30	1250	150
	4	dsl	800	MC U15	800	90
	5	dsl	800	Beth M58	800	120
	6	dsl	800	Nat 50A	800	100
Exeter Drlg Northern	3	dsl	550	Nat 50A	750	95
	7	dsl	700	S/B N75	1000	125
	8	dsl	500	S/B N7	750	95
	10	dsl	500	S/B N55	750	105
	20	dsl	500	C-E GC500	750	110
	21	dsl	550	MC U15	730	95
	30	dsl	750	C-E D2	1100	125
	35	dsl	800	MC U15	750	95
	36	dsl	450	Beth M58	750	110
	38	dsl	500	MC U15	750	95
Grace-Bomac Drlg	28	dsl	1010	C-E GA500	750	100
	45	dsl	1500	G-D 800M	1500	180
	53	dsl	1500	Nat 80B	1500	180
Nicor Drlg	61	dsl	1550	Nat 610	750	120
Transcontinental Drlg-Denver	38	dsl	1750	G-D GD800	1838	180
	40	dsl	1200	Olwl 76	1224	125
	53	dsl	810	Nat 50A	980	90
	55	dsl	810	Olwl 76	980	120
True Drlg	17	dsl	1350	Nat 50A	1000	120
Westburne Drlg	60	dsl	750	Nat 50A	850	110
	70	dsl	700	Nat 50A	700	100
CARBON						
Anderson-Myers Drlg	1	dsl	880	Nat T32	450	70
Brinkerhoff-Signal	3	dsl	1000	Nat 55	1000	120
Exeter Drlg Northern	41	dsl	1000	G-D 700	1100	125
Manning, R L	24	dsl	860	S/B N75	980	110
Shelby Drlg	11	dsl		Idco 35ESCR		100
	51-E	d-e	1000	Idco 725ESCR	750	110
Simmons Drlg	48	dsl	350	Hycalog HH8000	350	68
CONVERSE						
Atco Drlg	27	dsl	730	Beth C50	730	90
Brinkerhoff-Signal	14	dsl	1000	Nat 55	1000	125
Enopco	3	dsl	2000	Nat 80B	1800	175
Exeter Drlg Northern	9	dsl	750	S/B N75	1100	125
	18	dsl	500	Nat 50A	750	95
	39	dsl	500	MC U15	750	95
Grace-Bomac Drlg	43	dsl	1000	G-D 700M	1000	125
	59	dsl	1500	Nat 80B	1500	180
Harpel Drlg	3	dsl	1400	Idco H725	900	100
Helmerich & Payne Intl Drlg	38	dsl	1230	Nat 80	1385	180
Kanai Drlg West Coast	26	dsl	1000	Wils Atlas	1150	140
	35	dsl	800	Nat CA75	1150	140
CONVERSE (Cont'd)						
Loffland Bros	163	dsl	1260	Nat 80B	1500	160
	234	dsl	1400	MC U40	1600	130
Manning, R L	6	dsl	1290	C-E GB800	1290	140
CROOK						
Brinkerhoff-Signal	2	dsl	875	MC U36A	600	90
Exeter Drlg Northern	34	dsl	500	MC U15	750	95
	37	dsl	500	G-D 700	1100	125
Gallagher Drlg	6	dsl	520	Crdw O	970	120
True Drlg	15	g-lp	1300	Nat 50A	1000	115
	18	dsl	350	C-E GB250T	350	65
FREMONT						
Anderson-Myers Drlg	5	dsl	1000	C-E GB500	820	100
	15	dsl	1800	S/B N75A	1800	140
Atco Drlg	2	dsl	2000	Nat 80B	1800	160
	12	dsl	1800	Nat 80B	1800	160
Challenger Drlg	25	dsl	300	Nat T20	600	50
Elenburg Expl	11	dsl	430	Elenburg 6000	430	60
Forwest	2	d-e	2600	Idco E2100	1800	220
Grace-Bomac Drlg	24	dsl	2250	Nat 110M	2250	200
Loffland Bros	223	dsl	1260	MC U15	1000	100
Manning, R L	12	dsl	700	Olwl 66	550	110
	25	dsl	1000	S/B N75	1300	115
Quarles Drlg	24	dsl	2700	G-D 1500E	2000	300
	25	d-e	4000	C-E C3	3000	300
Shelby Drlg	12	d-e	1800	G-D 1100ESCR	2000	200
Trigg Drlg	6	d-e	2400	MC U914E	2400	250
Westburne Drlg	58	dsl	310	Nat T32	275	70
	60	dsl	1400	Nat 1320M	1600	180
HOT SPRINGS						
Anderson-Myers Drlg	10	dsl	670	Nat T32	800	85
	11	dsl	1200	Nat 55	1200	130
Burris Drlg	117	dsl	800	MAC 400	500	105
Harpel Drlg	6	d-e	2000	C-E D2	1000	140
Shelby Drlg	10	dsl		Sup 400ESCR		85
Westburne Drlg	72	dsl	720	Nat T32	360	75
JOHNSON						
Brinkerhoff-Signal	57	dsl	1560	Nat N80B	1560	160
Harpel Drlg	4		1400	S/B N46	900	120
Manning, R L	34	d-e	1600	C-E D3	1000	180
LARAMIE						
Atco Drlg	56	d-e	1800	Nat 80UE	1800	180
Exeter Drlg Northern	42	dsl	375	Nat T32	460	78
LINCOLN						
Brinkerhoff-Signal	7	dsl	1500	Nat 80B	1500	150
	40	dsl	2400	Nat 130UE	3000	250
Dixilyn-Field Drlg	33	d-e	1860	Olwl 940E	2000	200
	36	dsl	2000	Nat 110UEV	2000	180
Exeter Drlg Northern	29	dsl	1200	G-D 800	1125	150
Loffland Bros	60	d-e	1800	MC U712A	2000	170
	89	d-e	2100	MC U1220EB	2400	250
	97	d-e	3300	MC U1220EB	3300	300
	119	d-e	4000	C-E CE3000 Type II	3300	350
	184	dsl	2160	MC U712A	2400	150
	325	dsl	2160	G-D 2100	2400	250
Lord Drlg	2	dsl	2200	Olwl M860	1650	180
Manning, R L	29	dsl	800	C-E GB500	934	90
	30	d-e	1600	C-E D3	1000	180
Parker Drlg	92	dsl	1650	Nat 100M	1650	160
Rio Grende Drlg	3	dsl	1300	Nat 1320M	2300	250
	10	d-e	1300	Nat 1320UE	1195	250
True Drlg	24	dsl	1400	MC U914C	2400	220
NATRONA						
Brinkerhoff-Signal	17	dsl	1560	Nat 80B	1560	140
	56	d-e		C-E A110E	2700	180
	66	dsl	1300	G-D 1100	1500	180
Burris Drlg	112	dsl	1500	G-D 1100	1500	200
Dixilyn-Field Drlg	31	d-e	5580	Nat 1320UE	2000	250
	32	dsl	2300	Nat 130	2331	250
	34	d-e	2720	Nat 1320UE	2000	250
Harpel Drlg	5	dsl	1250	S/B N42	700	85
Loffland Bros	40	dsl	1680	S/B N95	2000	180
	70	d-e	3300	MC U1220EB	2200	250
Parker Drlg	118	dsl	1650	Nat 100M	1650	200
Signal Oilfield Serv	1	dsl	550	Cbot 750	700	85
	27	dsl	1025	Cbot 600	750	90
	28	dsl	735	Cbot 600	750	90
West Wind Drlg	55					
NIOBRARA						
Brinkerhoff-Signal	82	dsl	1500	G-D 700M	800	125
Exeter Drlg Northern	17	dsl	800	Nat 50A	750	95
PARK						
Atco Drlg	25	dsl	730	Idco H525	730	95
Barnhart Drlg	1	dsl	700	Idco H525	575	85
PARK (Cont'd)						
Manning, R L	8	dsl	850	C-E GA500	850	90
	15	dsl	700	Nat 55	700	110
	16	g-b	640	Nat T32	458	85
	17	g-b	770	C-E GC500	910	110
	26	g-b	1155	C-E GB800	1365	140
	28	g-b	800	C-E GB350	506	75
Molen Drlg	1	dsl	400	C-E GB250T	350	65
Roden Drlg, J B	1	dsl	836	C-E GB350	640	85
Wyoming Well Serv	21	dsl	500	Idco H35	318	50
	24	dsl	300	Crdw 200A	318	45
	30	dsl	300	Crdw 200A	318	45
SHERIDAN						
Burris Drlg	114	dsl	1500	G-D 1100	1500	200
Parker Drlg	124	dsl	1650	Olwl 2000E	1650	250
SUBLETTE						
Brinkerhoff-Signal	12	dsl	1000	Nat 55	1000	120
Exeter Drlg Northern	31	dsl	1000	G-D 800	1650	150
Helmerich & Payne Intl Drlg	81	d-e	2200	Nat 110UE	1500	200
Montgomery Drlg	5	d-e	2700	Nat 1320UE	3645	250
Norton Drlg	6	dsl	750	Wils 75	900	130
	10	dsl	750	G-D 700	1070	150
Roden Drlg, J B	7	dsl	350	BDW 450T	520	80
True Drlg	9	dsl	1200	MC U40	1200	150
	14	dsl	1200	Nat 50A	1200	120
	16	g-lp	1300	Nat 50A	1000	110
	25	dsl	2100	MC U914C	2100	220
Viersen & Cochran Drlg	9	dsl	2150	Nat 110	2400	200
SWEETWATER						
Anderson-Myers Drlg	18	dsl	800	Nat T45	800	100
Apollo Drlg	16	dsl	1155	Nat 80B	1220	125
Brinkerhoff-Signal	69	dsl	1000	Nat 110	1500	180
Dixilyn-Field Drlg	40	d-e	1860	Nat 80UE	1000	150
Exeter Drlg Northern	11	dsl	700	G-D 700	1000	125
Manning, R L	7	g-b	750	C-E G500	750	85
	9	dsl	650	C-E GA500	650	85
	22	dsl	1180	C-E A550	1180	110
Montgomery Drlg	32	d-e	2700	Nat 110UE	2000	180
Rio Grande Drlg	28	dsl	1000	S/B N95	2300	180
Roden Drlg, J B	3	dsl	1575	OIME 1500SL	1575	190
Sabre Drlg	2	dsl	671	Wils Mogul 42	671	50
Transcontinental Drlg-Denver	51	dsl	1100	Olwl 76	1300	125
Westburne Drlg	65	dsl	870	Nat T45	400	85
TETON						
Loffland Bros	30	d-e	2160	MC 914EC	2200	200
Montgomery Drlg	44	dsl	2000	Olwl 96	1000	200
Parker Drlg	148	dsl	1000	OIME 750	1000	130
UINTA						
Anderson-Myers Drlg	12	dsl	1500	OIME 1500	1500	170
	14	dsl	1800	S/B N75A	1800	140
Brinkerhoff-Signal	6	dsl	1500	G-D 1100	1500	180
	26	dsl	1170	Nat 55	1170	105
	72	dsl	2000	Nat 1320UE	2000	250
Burris Drlg	111	dsl	1500	G-D 1100	1500	200
Challenger Drlg	27	dsl	300	Nat T12	500	45
Dixilyn-Field Drlg	39	d-e	3720	Nat 110UE	2000	180
	41	d-e	3720	Nat 1320UE	2000	250
Exeter Drlg Northern	24	dsl	1000	G-D 800	1100	150
	28	dsl	1200	G-D 800	1275	150
	56	dsl		G-D 1100	1650	200
Forwest	1	d-e	2600	Idco E2100	1800	220
Grace-Bomac Drlg	29	dsl	2250	Nat 110M	2250	200
	90	d-e	2730	Nat 110UE	2730	200
Loffland Bros	108	dsl	2160	S/B N12A	2400	250
	214	dsl	1860	MC U40	1600	130
Lord Drlg	1	dsl	2200	Olwl M860	1650	180
	3	dsl	2200	Olwl M860	1650	180
Manning, R L	14	dsl	1700	Nat 110	1500	200/5"
	21	dsl	1095	Nat 80B	1365	150
Noble Drlg	132	d-e	3300	Nat 1320UE	3300	250
Parker Drlg	112	dsl	3000	Idco E3000	3000	300
Pruet-Ram-Co	4	dsl	2000	C-E D3	2000	180
Rio Grande Drlg	6	d-e	1350	G-D 1500E	1195	250
	27	dsl	750	S/B N75	1030	145
Transcontinental Drlg-Denver	57	dsl	1100	G-D 800	1300	130
Viersen & Cochran Drlg	8	dsl	1450	Nat 80B	1554	180
	14	dsl	2300	C-E 800A	1554	180
WASHAKIE						
Anderson-Myers Drlg	2	dsl	1200	Nat 55	1200	120
	4	dsl	1200	C-E GA500	1200	110
Exeter Drlg Northern	19	dsl	700	G-D 800	1100	140
Phelps Drlg	22	dsl	770	C-E 370M	550	100
WESTON						
Brinkerhoff-Signal	20	dsl	500	Nat 50A	500	100
L & R Drlg	4	dsl	400	Cbot Rocket	195	30
	6	dsl	318	Cbot 50	318	15/3.5"

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BLOCKER CANADA LTD 11012 Macleod Trail S Ste 800 Calgary Alberta T2J 6A5 Canada 403-278-6050 403-237-5505
BLOCKER DRILLING 800 Berring Dr Ste 400 Houston TX 77057 713-974-9100
BOW ISLAND DRILLING 700 800 Sixth Ave SW Calgary Alberta T2P 0T8 Canada 403-264-5413 263-1215 955-8722
BRELCO DRILLING LTD #2602 425-First St SW Calgary Alberta T2P 3L8 Canada 403-233-8300
CACTUS DRILLING LTD DIV OCELOT INDS PO Box 1508 500 622 Fifth Ave SW Calgary Alberta T2P 0M6 Canada 403-263-5670
CAN-TEX DRILLING & EXPL LTD 1520 Royal Bank Bldg 335 Eighth Ave SW Calgary Alberta T2P 1C9 Canada 403-265-8441
CANADIAN WORLDWIDE ENERGY LTD 500 Fifth Ave SW Chevron Plaza Ste 300 Calgary Alberta T2P 3L5 Canada 403-261-5661
CENTENNIAL DRILLING LTD 1007-16th Ave NW Calgary Alberta T2M 0K7 Canada 403-282-9552, 9602
CHALLENGER DRILLING 401-1035 Seventh Ave SW Calgary Alberta T2P 3E9 Canada 403-269-3121
CORUNNA PETR LTD 264 Paget St PO Box 640 Corunna Ontario N0N 1G0 Canada 519-862-5505
CROWN DRILLING LTD PO Box 1390 Trans-Canada Hwy Virden Manitoba R0M 2C0 Canada 204-748-1714
ENSIGN DRILLING LTD PO Box 1160 5109-63 St Lloydminster Alberta S9V 1G1 Canada 403-875-4942
GUTHRIE McLAREN DRILLING LTD 1760 717 Seventh Ave SW Calgary Alberta Canada 403-455-3191
HI TOWER DRILLING Box 6650 Station D 321 Sixth Ave SW 16th Floor Calgary Alberta T2P 2V8 Canada 403-231-1211
JADE DRILLING LTD 5825 99th St Edmonton Alberta T6E 3L4 Canada 403-437-2930
JOMAX DRILLING LTD 1700 505 Third St SW Calgary Alberta T2P 3A8 Canada 403-265-5312
KCA DRILLING LTD KCA House 227 Shepherds Bush Rd London W6 7AS England 01-741-4811
KENTING DRILLING CO LTD #1910 800-Fifth Ave SW Calgary Alberta T2P 2P9 Canada 403-298-5250
LEMKCO DRILLING CO LTD 6767 Golden West Ave Red Deer Alberta T4P 1A7 Canada 403-342-4200
LOFFLAND BROS CO PO Box 2847 Tulsa OK 74101 918-622-9330
MONTGOMERY DRILLING CANADA LTD 960-700 Fourth Ave SW Calgary Alberta T2P 3J4 Canada 403-290-1644
NABORS DRILLING LTD 324 Eighth Ave SW 1107 Home Oil Tower Ste 1107 TD Square Calgary Alberta T2P 2Z2 Canada 403-263-6610
PAN ARCTIC DRILLING PO Box 487 Nisku Alberta T0C 2G0 Canada 403-955-7944
PARKER DRILLING CO 8 E Third St Tulsa OK 74103 918-585-8221
PHELPS DRILLING INTERNATIONAL LTD #800 11012 Macleod Trail S Calgary Alberta T2J 6A5 Canada 403-278-6050
PRECISION DRILLING LTD Ste 1010 500 Fourth Ave SW Calgary Alberta T2P 2V6 Canada 403-264-4882
RED ARROW DRILLING LTD 520 304 Eighth Ave SW Calgary Alberta T2P 1C2 Canada 403-264-0695
REGENT DRILLING LTD 12912 125th Ave Edmonton Alberta T5L 3C1 Canada 403-455-2121
ROCKY MOUNTAIN DRILLING LTD 10333 Southport Rd SW #415 Calgary Alberta T2W 3X6 Canada 403-259-6767
S & T DRILLING LTD PO Box 4890 Edmonton Alberta T6E 5G7 Canada 403-955-7011
SEDCO DRILLING DIV BOW VALLEY RESOURCE SERVICES LTD Box 6680 Postal Sta D 1600 321 Sixth Ave SW Calgary Alberta T2P 2V8 Canada 403-231-1161
SHELBY DRILLING LTD 4A 2016-25th Ave NE Calgary Alberta T2E 6Z4 Canada 403-230-3655
SIMMONS DRILLING LTD 600-1177 11th Ave SW Calgary Alberta T2R 1K9 Canada 403-244-5340
SPARTAN DRILLING LTD #236-6715 8th St NE Calgary Alberta T2E 7H7 Canada 403-275-7160
THREE HUNDRED DRILLING LTD 500 1121 Centre St N Calgary Alberta T2E 7K6 Canada 403-230-5565
TRI-CITY DRILLING LTD 14305 120th Ave Edmonton Alberta T5L 2R8 Canada 403-453-3771
UNDERWATER GAS DEVELOPERS LTD PO Box 428 Port Colborne Ontario L3K 1B7 Canada 416-894-1731
WESTBURNE DRILLING CANADA LTD 200 535 Seventh Ave SW Calgary Alberta T2P 0Y4 Canada 403-266-8701

Canadian Contract Rotary Land Drilling Rigs

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft.	Rated Depth With
ALBERTA							
UNDESIGNATED							
Argus Drlg Div Taro Inds	1	dsl	320	Nat T32	327	72	
	2	dsl	320	C-E 250T	327	65	
	3	dsl	320	MC U34	319	60	
	4	dsl	320	MC U34	319	60	
	5	del	1100	Owl 76	1326	120	
	7	dsl	320	Nat T32	327	82	
Atco Drlg Mustang Div	31	dsl	815	S/B N45	720	85	
	35	dsl	820	Nat T45	820	90	
	36	dsl	300	Idco H30AD	300	55	
	39	dsl	300	Nat T20	300	60	
	40	dsl	700	S/B N45	650	85	
	41	dsl	300	Idco H30F	350	60	
	42	dsl	650	Idco H35	700	75	
	45	d-e	1500	Nat 610E	750	120	
	50	dsl	300	Idco H30F	350	60	
	53	dsl	735	Nat T45	650	90	
	54	dsl	715	Idco H35D	650	75	
	55	dsl	500	Idco H35	365	85	
Badger Drlg	2	dsl	400	Nat 370	500	72	
	4	dsl	400	Sup 400	400	55	
	6	dsl	400	Nat 370	500	75	
	99	dsl	515	Sup 300	515	60	
Bawden Drlg, Peter	1	mch	1000	C-E GB600	500	85	
	12	mch	1700	C-E D3	1000	160	
	16	mch	1800	C-E D3	1000	120	
	17	mch	1100	G-D 500	500	90	
	20	mch	1000	G-D 500	500	90	
	33	mch	1850	Oiwl 860	1400	160	
	25E	d-e	2000	C-E C1 Type II	1500	180	
Beaver Drlg	1	dsl	300	Nat T32	300	70	
	2	dsl	300	Nat T20	300	60	
	3	dsl	300	Nat T20	300	60	
	4	dsl	300	Nat T32	300	70	
	5	dsl	300	Nat T32	300	75	
	6	dsl	300	Nat 370	550	85	
	7	dsl	550	Nat 370	550	95	
	8	dsl	300	Nat T32	300	70	
	9	dsl	550	Nat 370	550	95	
Blocker Drlg	56					160	
	57					140	
	59					140	
	60					100	
Blocker Drlg Canada	7	dsl	770	OIME 750SL	1155	140	
Brelco Drlg	1	dsl	800	Oiwl 700	900	120	
	2	dsl	800	Oiwl 700	900	120	
	3	dsl	600	Oiwl 500	750	90	
	4	dsl	600	Oiwl 500	750	90	
	5	dsl	600	Oiwl 500	750	90	
	6	dsl	600	Oiwl 500	750	90	
	7	dsl	800	Oiwl 700	900	120	
Can-Tex Drlg & Expl	5	dsl	1200	C-E GB800	1200	120	
	9	dsl	1400	C-E GB800B3	1275	140	
	7	dsl	1000	C-E D2	900	120	
	8	dsl	820	Oiwl 66	820	90	
	10	dsl	800	Nat 370	450	80	
Centennial Drlg	1	dsl	360	MC 6D005	350	55/ 3.5"	
	2	dsl	360	C-E 250GA	350	55/ 3.5"	
	3	dsl	480	Nat T32	750	85	
Challenger Drlg-Calgary	JB9E	d-s	2400	Nat 80UE	2600	150	
	2	dsl	650	Nat T45	608	90	
	11	dsl	350	Nat T20	438	57	
	39	dsl	350	Nat T20	450	5750	
	44	dsl	1300	Nat 80B	1950	150	
	50	dsl	2000	Nat 110	2385	180	
	51	dsl	1630	Nat 110	1980	180	
	55	dsl	1180	Nat 100HD	1470	165	
	4-E	d-e	1170	Nat T45	1005	90	
	5-E	d-e	1220	Nat 55	1830	125	
	8-E	d-e	1500	Nat 80E	2250	145	
	10-E	d-e	2600	MC U1220EB	2800	220/ 5"	
Concept Resources	1	dsl	500	C-E GA250	300	75	
	2	dsl	450	C-E Modified 150	300	65	
Hi Tower Drlg	1	d-e	3600	Nat 1320UE	2000	200	
	2	dsl	780	Oiwl 66	800	95	
	10	dsl	1150	Oiwl 76	1220	100	
	11	dsl	350	Sup 400	540	65	
	14	dsl	280	Oiwl 52T	350	65	
	20	d-e	1800	Oiwl 760	1000	150	
	3-401	dsl	900	Oiwl 66	1020	100	
	3-402						
	7-306	dsl	1000	Oiwl 66	1150	100	
	7-401						
	19-304	dsl	620	Oiwl 52T	545	70	
	18-401						
	22-301						
	22-401						
Jomax Drlg	1	dsl	800	Oiwl 52T	455	26	
	2	dsl	800	Oiwl 52T	455	28	
	3	dsl	800	Oiwl 52T	455	28	
	4	dsl	1200	Oiwl 76A	1275	43	
	5	dsl	875	Nat 50A	875	105	
	6	d-e	2400	Oiwl 760	1600	50	
	7	d-e	2400	Oiwl 760	1600	50	
Kenting Drlg	3	dsl	1000	C-E GC500	1000	120	
	4	dsl	720	610	720	115	
	5	dsl	350	Sup 400	350	75	
	9	dsl	720	Nat T32	720	75	
	10	dsl	720	Oiwl 66	720	100	
	15	dsl	720	Nat 370	720	90	

ALBERTA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED (Cont'd)						
Kenting Drlg	18	dsl	800	Nat 50A	800	95/5"
	24	dsl	350	Nat 370	350	90
	27	dsl	1040	Nat 610	1040	120
	28	dsl	700	Nat 370	700	90
	29	dsl	1040	Nat 610	1040	120
	37	dsl	350	Sup 400	700	75
	38	dsl	800	Nat 370		95
	22-E	d-e	2000	Nat 80UE	1000	130
	23-E	d-e	2000	Nat 610E	1000	115
	32-E	d-e	3720	Nat 110UE	2000	180
	39-E	d-e	1100	Nat 370E	1100	100
Loffland Bros	171	d-e	2132	MC U914B	1700	180
Nabors Drlg	4	dsl	2000	Otwl 76	1740	140
Parker Drlg	98	dsl	1500	Nat 100	1000	170
Precision Drlg	1	dsl	350	Idco H30FD Super	350	65
	2	dsl	350	Idco H20AD	350	45
	3	dsl	350	Idco H30 Super 2FD	350	65
	4	dsl	350	Idco H30D	350	72
	5	dsl	350	Idco H525D	350	75
	6	dsl	350	Idco H30	350	65
	7	dsl	350	Idco H30D	400	80
	8	dsl	350	Idco H30D	350	65
	9	dsl	350	Idco H30D	350	75
	10	dsl	350	Idco H35D	350	72
	11	dsl	350	Idco H40PD	350	72
	12	dsl	500	Idco H30D	350	75
	14	dsl	350	Idco H40	500	75
	15	dsl	350	Idco H30FD	350	75
	16	dsl	700	C-E PD650	650	100
Red Arrow Drlg	1	dsl	225	Nat T20	275	60
	3	dsl	225	Nat T20	275	60
	4	dsl	225	RAD 200	275	60
	5	dsl	225	Nat T20	275	60
	6	dsl	225	RAD 200	275	60
	7	dsl	225	RAD 200	275	60
	8	dsl	225	RAD 200	275	60
	10	dsl	225	RAD 200	275	18
Regent Drlg	1	dsl	675	Idco H40	330	75
	4	dsl	840	S/B N4	930	95
	5	dsl	840	S/B N4	820	95
	8	dsl	1800	G-D 1100	2100	150
	9	dsl	1400	S/B N45	1400	140
	10	dsl	830	S/B N4	900	95
	21	dsl	2200	Otwl M2000	2592	200
	22	dsl	830	MC U36A	500	85
	23	dsl	800	S/B N4	820	95
	24	dsl	800	S/B N4	900	95
	25	dsl	1400	S/B N45	1400	140
	28	dsl	1400	S/B N45	1400	140
	29	dsl	350	S/B N4	365	60
	14-E	dsl	2800	Otwl 840E	1800	200
	15-E	dsl	2700	G-D 1500	2000	210
	16-E	dsl	2700	G-D 800E	1000	140
	17-E	dsl	2700	G-D	1000	140
S & T Drlg	1	dsl	1100	Nat 55	1100	110
Sedco Drlg	71	dsl	350	Sup 400	456	60
	77	dsl	375	Sup 400	456	60
	79	dsl	318	G-D 3000	318	40
	80	dsl	375	Shaf 6000	456	80
	81	dsl	375	Sup 400	318	60
	82		375	Sup 300	318	45
	84	dsl	320	Sup 300	318	45
	85		300	Sup 300	318	45
	86	dsl	175	Kremco K600D	450	50
	87	dsl	300	Crdw L	318	40
	88	dsl	350	Crdw S350	350	55
	89	dsl	350	Idco H30D	318	50
	91	dsl	330	C-E GB250	456	65
	95	dsl	300	Sup 400	456	60
	96	dsl	300	Idco H25	318	45
	97	dsl	300	Nat T32	456	60
	99	dsl	350	C-E GA250	456	65
	93-E	d-e	375	Sup 400	210	65
Shelby Drlg	1	dsl	319	Coop 300DD	318	50
	2	dsl	319	Coop 300DD	300	50
	3	dsl	319	Cbot 1287	475	65
	8	dsl	1200	OIME 750SL	1200	140
Simmons Drlg	8	dsl	450	Troy 600	700	100
	11	dsl	350	Hycalog HH6000	350	68
	12	d-e	1200	G-D 500E	700	90
	19	dsl	575	Troy M600	535	75
	25	dsl	350	Mac 300	350	60
Spartan Drlg	2	d-e	700	Sup 700E	700	10
	3	d-e	550	Sup 400E	400	75
	14	d-m	500	Sup 300	300	55
	20	d-e	600	Otwl 500E	500	90
	22	d-m	700	Nat 370	600	90
	24	d-m	380	Sup 300	300	55
	44			Nat T8		
Tri-City Drlg	1	dsl	250	Fail 2500	200	30
	2	dsl	300	MC U34	3000	60
	3	dsl	250	Fail 2500	200	30
	4	dsl	300	Fail Stratmaster 90	280	50
	5	dsl	250	Fail 2500	210	30
	6	dsl	250	Fail 2500	210	30
	7	dsl	250	Fail 2500	210	30
	9	dsl	300	Sup 300	300	45
	10	dsl	300	Sup 300	300	45
Westburne Drlg Canada	55	d-s	3310	Nat 1320UE	3310	220
Westburne Drlg Canada	64	dsl	1680	MC U914C	1680	180
	65	dsl	520	Nat T45	480	85
	67	dsl	1725	Otwl 96	1725	200
	68	dsl	1950	MC U1220D	1950	200
	69	dsl	1950	Nat 1320M	1950	200
	70	dsl	1050	Nat 50A	700	85
	71	dsl	1560	Otwl 860	1560	180
	72	dsl	870	Nat T32	360	75
AIRDRIE						
Arrowhead Drlg	C-1	dsl	1040	Nat 610	1040	120
ALDERSYDE						
Arrowhead Drlg	C-9	dsl	1040	Nat 610	1040	120
BEZANSON						
Nabors Drlg	23-E	d-e	1600	C-E D2	1800	140
BONNYVILLE						
Canadian Worldwide Energy	1	dsl	456	Fail 2500	304	30
Ensign Drlg	1	dsl	440	Cbot 42	290	110
	2	dsl	440	C-E	440	19
BRAZEAU						
Adeco Drlg & Engr	2	dsl	380	OIME SD3	385	85
BRAZEAU RIVER						
Nabors Drlg	16	dsl	2000	C-E A800	1740	150
BUFFALO LAKE						
Guthrie McLaren Drlg	3	dsl	680	Nat 50CA	600	100
CALGARY						
Loffland Bros	72	dsl	1700	MC U914	2880	200
CAROLINE						
Blocker Drlg Canada	6	dsl	1000	OIME 1000SL	1500	160
CARSTAIRS						
Westburne Drlg Canada	42	dsl	360	Nat T20	360	55
CHER-HILL						
Bow Island Drlg	39	dsl	278	W-N 2000	175	30
CLIVE						
Cactus Drlg	11	dsl	350	MC U34	350	65
COLEMAN						
Montgomery Drlg Canada	49	d-e	2000	Nat 110E	2000	200
COLT						
Nabors Drlg	24-E	d-e	2000	C-E Electrohoist 2C	2925	180
CORONATION						
Jade Drlg	1	dsl	450	Wks Super 38	300	35
CROSSFIELD						
Rocky Mountain Drlg	3	dsl	1650	Nat 80	1650	150
S & T Drlg	3	dsl	1200	Nat 55	1200	115
	6	dsl	1200	Nat 610	1200	11.5
CYNTHIA						
Guthrie McLaren Drlg	11	dsl	450	Sup 500	450	70
DEVON						
Westburne Drlg Canada	24	dsl	360	Nat T32	360	70
DRUMHELLER						
Bow Island Drlg	41	d-e	300	W-N	300	60
EDSON						
Arrowhead Drlg	C-5	dsl	1560	Nat 80B	1560	150
Loffland Bros	36	dsl	2000	MC U914C	2880	200
S & T Drlg	7	dsl	1200	Nat 610	800	10.5
EUREKA RIVER						
Westburne Drlg Canada	14	dsl	1080	Nat 50A	1080	95
EVI						
Phelps Drlg Intl	18	dsl	500	TSM 6000	450	75
FERRIER						
Phelps Drlg Intl	24	dsl	770	Nat 370M	550	100
FORT McMURRAY						
Westburne Drlg Canada	30	dsl		Kutryk KS1		50
FOX CREEK						
Bow Island Drlg	47	dsl	278	Nat T12	278	50
Guthrie McLaren Drlg	9	dsl	1940	OIME 1500	1940	180
GRAND FORKS						
Cactus Drlg	8	dsl	350	MC U34	350	65
GRANDE PRAIRIE						
Bow Island Drlg	40	dsl	278	W-N 2000	175	30
	53					
Cactus Drlg	28	dsl	1200	S/B N75	1200	125
Loffland Bros	198	dsl	1400	MC U914A	1599	180
Nabors Drlg	19-E	d-e	2000	C-E CI	3900	200
Rocky Mountain Drlg	4	dsl	1050	Unit U36A	1050	100
Westburne Drlg Canada	4	dsl	1040	C-E GC500	1040	110
GRIMSHAW						
Westburne Drlg Canada	28	dsl	1440	Nat 55	1440	110
HANNA						
Guthrie McLaren Drlg	12	dsl	325	Sup S400	300	62
HIGH PRAIRIE						
Bow Island Drlg	36	dsl	278	W-N 2000	175	30
HIGH PRAIRIE						
Cactus Drlg	19	dsl	500	MAC 300	500	65
Guthrie McLaren Drlg	2	dsl	300	S/B N4	300	65/3.5"
Rocky Mountain Drlg	2	dsl	1150	G-D 500	700	85
HIGHVALE						
Phelps Drlg Intl	19	dsl	500	TSM 6000	450	75
HINTON						
Bow Island Drlg	48	dsl	278	Nat T12	278	50
Loffland Bros	9	d-e	2000	MC U914	1980	200
INNISFAIL						
Cactus Drlg	7	dsl	700	C-E GB350	700	85
JOFFRE						
Cactus Drlg	4	dsl	350	MC U34	350	65
LAC LA BICHE						
Westburne Drlg Canada	39	dsl	360	Fail 3500	235	35
LACOMBE						
S & T Drlg	2	dsl	350	Nat T32	350	70
LINDBERGH						
Westburne Drlg Canada	33	dsl	360	G-D 3000	235	35
LOCHEND						
Westburne Drlg Canada	10	dsl	1275	Nat 80	1275	130
MANY BERRIES						
Cactus Drlg	9	dsl	350	MC U34	350	65
MED RIVER						
Cactus Drlg	15	dsl	750	C-E GC350	750	85
MIKWAN						
S & T Drlg	4	dsl	700	Nat 50CA	400	80
MILO						
Guthrie McLaren Drlg	7	dsl	300	Nat T32	300	70/3.5"
MINTHAW						
Cactus Drlg	1	dsl	750	S/B N55	750	85
MITCHELL						
Nabors Drlg	21-E	d-e	3200	C-E IIC	3900	200
MITSUE						
Adeco Drlg & Engr	16	dsl	308	Nat T32	312	70
Cactus Drlg	2	dsl	940	Nat 55	940	115
Westburne Drlg Canada	15	dsl	980	S/B N7	720	85
	26	dsl	360	Nat T32	360	70
NIDISI						
Adeco Drlg & Engr	18	dsl	700	OIME Hailhoist 500C	1370	75
NISKU						
Cactus Drlg	6	dsl	900	Crdw AD	900	95
KCA Drlg	C1	dsl	1200	Nat 55	612	100
Nabors Drlg	5	dsl	700	Otwl 76	1326	120
OGSTON						
Adeco Drlg & Engr	14	dsl	312	Nat T32	320	70
OTTER LAKES						
Jade Drlg	4	dsl	625	Idco H25	430	75
	5	dsl	500	Idco H30	420	75

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make and Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
ALBERTA (Cont'd)						
PEACE RIVER						
Jade Drlg	3	dsl	550	Idco H25	380	75
S & T Drlg	5	dsl	1150	Nat T45	800	95
	10	dsl	350	MC U34	350	65
PEMBINA						
Cactus Drlg	10	dsl		Nat T32	700	78
	16	dsl	500	MAC 300	500	85
RAINBOW LAKE						
Rocky Mountain Drlg	1	dsl	650	Nat 370	650	85
RED DEER						
Adeco Drlg & Engr	3	dsl	306	Nat T32	320	70
	15	dsl	365	Nat T45	575	105
	19	dsl	308	Nat T32M	320	82
RED EARTH						
Cactus Drlg	18	dsl	500	MAC 300	500	85
Three Hundred Drlg	Mr Nick	dsl	1200	Sup 700	785	95
REDCLIFF						
Westburne Drlg Canada	40	dsl	360	Fail 2500	180	30
RICINUS						
Cactus Drlg	20	dsl	1200	C-E D2	1200	140
ROCKY MOUNTAIN HOUSE						
Adeco Drlg & Engr	8	dsl	1500	Nat 100M	2340	180
Arrowhead Drlg	C-11	dsl	1560	Nat 80B	1560	150
	C-6	dsl	770	Nat 370	770	90
Bow Island Drlg	31	dsl	278	W-N 2000	175	30
	54					
	55					
Cactus Drlg	5	dsl	1554	Idco Super 711	1554	150
Lemico Drlg	2	dsl	800	OIME SD3SL	800	100
Montgomery Drlg Canada	42	d-e	2000	Nat 110UE	2000	200
ROCKYFORD						
Adaco Drlg & Engr	1	dsl	312	Nat T20	320	57
SADDLE HILLS						
Cactus Drlg	17	dsl	500	MAC 300	500	85
SAVANNA CREEK						
Arrowhead Drlg	C-8	dsl	1040	Nat 610	1040	120
SLAVE LAKE						
Bow Island Drlg	50					
Cactus Drlg	24	dsl	300	Beth S55	300	60
Westburne Drlg Canada	8	dsl	360	Idco H40D	360	70
SPRINGBURN						
Guthrie McLaren Drlg	4	dsl	375	Sup D600	450	70
STETTLER						
Westburne Drlg Canada	37	dsl	360	G-D 2500	180	35
STRACHAN						
Loffland Bros	93	d-e	2100	MC U1220EB	2400	250
STURGEON LAKE						
Nabors Drlg	15	dsl	1200	C-E A550	884	110
SUFFIELD						
Westburne Drlg Canada	35	dsl	360	Fail 2500	180	30
SUNDRE						
Arrowhead Drlg	C-4	dsl	1040	Nat 610	1040	120
	C-7	dsl	1040	Nat 610	1040	120
Blocker Drlg Canada	9	dsl	770	OIME 750SL	1155	140
Cactus Drlg	26	d-e	2700	C-E D3	500	180
Regent Drlg	11	dsl	2200	Oiwl 840E	2592	200
SWAN HEIGHTS						
Bow Island Drlg	35	dsl	3000	W-N 2000	175	30
SWAN HILLS						
Westburne Drlg Canada	12	dsl	720	Nat 370	720	80
SYLVAN LAKE						
Blocker Drlg Canada	10	dsl	770	OIME 503	770	100
Three Hundred Drlg	Mr Jim	dsl	1200	Nat 370M	900	95
TANGENT						
Arrowhead Drlg	C-2	dsl	770	Nat 370	770	90
Cactus Drlg	3	dsl	350	MC U34	350	65
TWO HILLS						
Guthrie McLaren Drlg	6	dsl	300	Fail 2500A	225	30
	8	dsl	300	Fail 2500A	225	30
VALHALLA						
Adeco Drlg & Engr	12	dsl	312	Nat T32	320	70
VALLEYVIEW						
Arrowhead Drlg	C-10	dsl	1560	Nat 80B	1560	150
VIRGINIA HILLS						
Guthrie McLaren Drlg	5	dsl	750	Nat 50CA	400	85
WAINWRIGHT						
Westburne Drlg Canada	32	dsl	360	Fail 2500	210	30
WATERTON						
Cactus Drlg	25	d-e	3400	C-E C2	2000	200
WILLGREEN						
Cactus Drlg	14	dsl	750	C-E GB500	750	80
WILLISDON GREEN						
Phelps Drlg Intl	23	dsl	770	Nat 370M	550	100
ZAMA						
Guthrie McLaren Drlg	10	dsl	300	Sup D500	450	70
Three Hundred Drlg	Mr Digger	dsl	900	Nat 370M	900	95
ZAMA LAKE						
Westburne Drlg Canada	17	dsl	1080	C-E GB350	720	80
BRITISH COLUMBIA						
UNDESIGNATED						
Bawden Drlg, Peter	8	d-e	2200	Oiwl 860	1400	200
Challenger Drlg-Calgary	15	dsl	800	Idco Sup 711	1300	125
Hi Tower Drlg	4	d-e	3200	Oiwl E2000	2000	250
	12	dsl	280	Nat T32	335	65
	21	d-e	3200	C-E D3	1000	150
Kenting Drlg	7	dsl	720	C-E GC500	720	105
Nabors Drlg	3	dsl	1700	Oiwl 76	1326	140
	6	dsl	300	Idco H35	300	60
Parker Drlg	94	dsl	1700	Nat 100M	1000	180
Regent Drlg	2	dsl	840	S/B N55	820	95
	3	dsl	840	S/B N4	900	95
	26	dsl	840	Idco H40	330	75
	12-E	dsl	2200	G-D 1500	2592	200
CHETWYND						
Loffland Bros	3	dsl	1850	MC U914A	2880	180
DAWSON CREEK						
Nabors Drlg	9	dsl	2000	Nat 110	2250	180
FERNIE						
Montgomery Drlg Canada	46	d-e	2000	Nat 1320UE	2000	200
FORT ST JOHN						
Adeco Drlg & Engr	6	dsl	1500	Nat 100M	2340	180
Guthrie McLaren Drlg	1	dsl	300	Oiwl 52T	400	70
PEMBERTON						
Westburne Drlg Canada	1	dsl	1560	Nat 80B	1560	130
SIKANNI						
Westburne Drlg Canada	22	dsl	1010	Nat 50A	720	85
MANITOBA						
UNDESIGNATED						
Atco Drlg Mustang Div	32	dsl	300	S/B N4		55
Crown Drlg	2	dsl	784	S-H 5000	476	50
	4	dsl	714	MC U34	362	60
Red Arrow Drlg	2	dsl	225	Nat T12	275	50
	9	dsl	225	RAD 200	275	60
	11	dsl	225	RAD 200	275	60
NORTHWEST TERRITORIES						
UNDESIGNATED						
Hi Tower Drlg	17-401 17-402	dsl	560	Nat 50A	340	70
Parker Drlg	99-HH/6	dsl	1500	OIME Helihoist 1500	1500	170
Three Hundred Drlg	Ben	dsl	900	Nat 370M	900	95
CAPE NATHURST						
Pan Arctic Drlg	A	d-e	1600	OIME 1000E	1000	130
NORTHWEST TERRITORIES (Cont'd)						
FORT SIMPSON						
Three Hundred Drlg	Mr Gary	dsl	1200	Sup 700	785	95
KING CHRISTIAN ISLAND						
Pan Arctic Drlg	C	d-e	1600	OIME 1000E	1000	120
LOUGHEED ISLAND						
Pan Arctic Drlg	B	d-e	1000	Nat 80E	800	120
MELVILLE ISLAND						
Spartan Drlg	10	d-e	2000	C-E E	2000	240
NORMAN WELLS						
Kenting Drlg	33-E	d-e	1000	Sup 700E	700	90
RAE POINT						
Adeco Drlg & Engr	4	dsl	1380	OIME Helihoist 1500	2000	170
ONTARIO						
UNDESIGNATED						
Underwater Gas Dev	6	dsl	200	I-R T5	350	50
LAMBTON						
Corunna Petr	2	dsl	475	Idco 525	636	85
	3	dsl	950	Hoop GXXTA	700	55
QUEBEC						
UNDESIGNATED						
Regent Drlg	6	dsl	1400	S/B N45	1400	140
SASKATCHEWAN						
UNDESIGNATED						
Atco Drlg Mustang Div	33	dsl	300	Nat T20	300	55
	34	dsl	300	Nat T20	350	55
	51	dsl	300	Idco H25	350	60
Badger Drlg	1	dsl	300	Idco H30	250	50
Blocker Drlg Canada	3	dsl	770	OIME 750SL	1155	140
Hi Tower Drlg	18	d-e	1800	Oiwl 760	1000	150
Red Arrow Drlg	12	dsl	225	RAD 200	275	18
Sadco Drlg	83	dsl	350	Crdw 150A	318	42
	90	dsl	350	MC U34D	456	55
	92	dsl	350	Sup 400	456	50
	94	dsl	300	Crdw L	210	40
	98	dsl	350	Nat T20	456	60
Simmons Drlg	2	dsl	350	Troy 600	350	75
	4	dsl	350	Oiwl 52T	350	68
	14	dsl	575	Troy M600	535	75
	15	dsl	350	MC U34	350	600
	22	dsl	350	Troy 300	350	65
	24	dsl	350	Troy 300	350	68
Spartan Drlg	1	d-m	380	Sup 300	300	55
	5	d-m	380	Sup 300	300	59
	13	d-m	380	Sup 300	300	60
	21	d-m	700	Shaf 6000	600	65
	23	d-m	700	Sup 300	300	55
Tri-City Drlg	8	dsl	300	Fail 3500	280	35
DODSLAND						
Jade Drlg	2	dsl	400	Wils Super 38	300	35
S & T Drlg	9	dsl	800	Nat 370	800	85
EASTEND						
Westburne Drlg Canada	34	dsl	360	Idco H25CD	360	45
ESTEVAN						
Bow Island Drlg	32	dsl	278	W-N 2000	175	30
	33	dsl	278	W-N 2000	175	30
GULL LAKE						
Bow Island Drlg	34	dsl	278	W-N 2000	175	30
KINDERSLEY						
Westburne Drlg Canada	31	dsl	360	Fail 2500	275	30
LANCER						
Westburne Drlg Canada	50	dsl	360	Fail 2500	180	30
MACKLIN						
Westburne Drlg Canada	39	dsl	360	Fail 2500	180	30
WEYBURN						
Bow Island Drlg	51					

International Rotary Land Drilling Contractors

ARAB DRILLING & WORKOVER CO PO Box 1401 Orange CA 92668 714-558-1300
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COMPANIA NAVIERA PEREZ COMPANC SACFIMFA Maipu 1 1599 Buenos Aires Argentina 33-8393/7 390-17211
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ENERGEERS LTD 5100 Westheimer Ste 573 Houston TX 77056 713-961-2843
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FOREX-NEPTUNE AND/OR AFFILIATES 50 Ave Jean-Javres BP 599 92542 Montrouge Cedex France 657 11 07
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HELMERICH & PAYNE (GUATEMALA) DRLG CO 15 Avenida 16-66 Zone 13 Guatemala City Guatemala 66008
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KENTING DRILLING SERV LTD Trent Lane Castle Donington Derby DE7 2NP England (0332) 850060 Telex 377905
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LOFFLAND BROS CO PO Box 2847 Tulsa OK 74101 918-622-9330
OIL DRILLING & EXPL LTD Level 36 AMP Centre 50 Bridge S Sydney NSW 2000 Australia 232-2066
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PNOC ENERGY DRILLING INC Philippine National Oil Co Merritt Rd Ft Bonifacio Metro Manila Philippines 815-89-61
PT MAFHABOR INDONESIA J1 IR H Juanda III/7-9 Jakarta Indonesia
PT META EPSI PRIBUMI DRILLING CO JL Madiun No 12 JKT 10310 PO Box 4311 JKT 10001 Indonesia 348900
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RIO COLORADO INTERNATIONAL, S.A. Sarmiento 663 1316 Buenos Aires Argentina 46-3211
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SANTA FE DRILLING CO 505 S Main St PO Box 1401 Orange CA 92668 714-558-1300
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SONAT OFFSHORE DRILLING INC GROUP PO Box 2765 Houston TX 77001 713-871-7500
SONPETHOL Orense no 32-1o Madrid 20 Spain 455.18.58

International Contract Rotary Land Drilling Rigs

Contractor	Type Power Rig No.	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft. Rated Depth With
AFRICA					
ALGERIA					
SAIPEM	5893 d-e	3200	Nat 110UE	1600	190
	5894 d-e	3200	Nat 110UE	1600	170
	5895 d-e	3200	Nat 110UE	1600	170
CONGO					
Sonpetrol	E-5 dsl	2200	C-E J1100	1300	140
	GC-1 dsl	1700	C-E GC500	600	100
EGYPT					
Challenger Ltd	18 dsl	900	Cbot 100	1000	120
Forex Neptune and/or Affil	7 dsl	3200	Nat 110	1600	190
	33 d-e	3200	G-D 1100	1500	180
Geoprosco Intl	41 dsl	2200	Idco H900	1100	100
Santa Fe Drlg	64 dsl	1800	Nat 110	1800	180
	69 d-e	2000	Nat 1320DE	3400	200
	73 dsl	2000	Nat 110	1800	160
	75 dsl	2000	Nat 1320M	1800	200
	92 d-e	2800	Nat 1320UE	1400	200
	94 d-e	2250	Nat 110UE	2000	180
	97 d-e	2800	Ohwi E2000	2000	200
	102 d-e	2400	Nat 110UE	1500	180
SAIPEM	5863 d-e	3200	Nat 110UE	1500	170
GABON					
Forex Neptune and/or Affil	4 dsl	1300	Idco H525	500	90
	27 dsl	2600	Idco Super 711	1200	180
LIBYA					
Arab Drlg & Workover	ADWOC-2 d-e	2600	C-E C111	1500	200
	ADWOC3 d-e	2600	C-E C111	1500	200
	37 dsl	1550	Nat 80B	1800	120
	53 ds.	1250	Idco H525	700	90
	54 dsl	1400	Nat 80B	1800	120
	118 dsl	1250	Idco H525	700	90
Challenger Ltd	19 dsl	1300	Nat 80B	1950	150
Deutsche Tiefbohr	T-16 dsl	2000	C-E A800	1000	120
	T-26 dsl	2100	Idco Super 711	1500	180
	T-90 dsl		H-L 6206	400	
	T-91 dsl		H-L 6205	130	

Contractor	Type Power Rig No.	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft. Rated Depth With
AFRICA (Cont'd)					
LIBYA (Cont'd)					
Forex Neptune and/or Affil	2 csi	2600	Idco Super 711	1600	180
	13 dsl	2500	Idco Super 711	1200	180
	35 d-e	3200	G-D 1110E	1600	180
	41 dsl	1300	Idco H525	640	90
	42 dsl	2000	Nat 80UE	1000	157
	43 d-e	2000	Nat 80UE	1000	157
	44 dsl	3200	Idco Super 711	1600	180
KCA Drlg	83 dsl	2000	MC U36EA	1000	100
	100 dsl	750	Crdw KM250	375	60
	101 dsl	375	Cbot 1058	375	120
	102 dsl	375	Cbot 1058	375	120
	103 dsl	375	Cbot 1058	375	120
Oil Drlg & Expl	7 dsl	2000	Idco Super 711	2000	170
	9 dsl	2000	Idco Super 711	2000	170
Pool-Intairdril	2 dsl	318	Cbot 1287/ 120	476	50
	3 dsl	318	Cbot 1287/ 120	478	50
	5 dsl	318	Cbot 1058/ 120	318	50
	10 dsl	318	Cbot 1058/ 120	318	50
	22 dsl	400	Idco DIR550	400	65
	32 dsl	600	Cbot 750	600	65
	33 dsl	600	Cbot 750	600	65
	34 dsl	600	Cbot 750	600	75
	204 e-a	2000	Idco ED1200	1000	120
	205 al	2000	Idco ED1200	1000	120
	206 e-a	2000	Idco ED1200	1000	120
Santa Fe Drlg	ADWOC 1 d-e	2600	C-E C111	1500	200
	1				
	3				
	95				
NIGERIA					
Forex Neptune and/or Affil	1 dsl	2600	Idco Super 711	1200	180
	5 dsl	2600	Nat 1105	1600	190

Contractor	Type Power Rig No.	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½-in. Pipe, 100 ft. Rated Depth With
AFRICA (Cont'd)					
NIGERIA (Cont'd)					
Forex Neptune and/or Affil	9 dsl	2850	Nat 110	1600	190
	10 dsl	2600	Nat 110	1600	190
	24 d-e	3200	G-D 2100RE	3000	254
	26 dsl	2600	Idco Super 711	1200	180
	49 d-e	3200	G-D 1109E	1500	180
SAIPEM	5838 dsl	2500	Idco H1700	2000	165
	5847 dsl	2130	Idco H1700	1700	165
	5850 dsl	1135	Idco H40	432	60
	5860 dsl	2500	Idco H1700	2000	165
SOMALIA					
Parker Drlg	143 dsl	2000	Nat 110	2250	180
SUDAN					
Parker Drlg	220 dsl	1600	OIME SL1000	1000	150
	105-HH/2 dsl	1200	OIME HH1250	1275	140
	119-HH/ 10 dsl	1950	OIME HH1500	1700	180
	195-HH/ 42 dsl	2000	OIME TBA2000	2000	200
TUNISIA					
Blocker Drlg-Alice	10 dsl	825	Idco Hydrair H37ESC	434	75
	18 dsl	1475	Cbot 2346	950	100
Blocker Drlg-Houston	47				200
Forex Neptune and/or Affil	11 d-e	3200	Nat 110UE	1500	190
	36 d-e	3200	G-D	1600	180
SAIPEM	5842 dsl	2250	Idco H1700	1700	165
	5846 dsl	2250	Idco H1700	1700	165
ZAIRE					
Von Rautenkranz Hermann	ITAG-102 dsl	900	Wils Mogul 42		100
ASIA PACIFIC					
AUSTRALIA					
Oil Drlg & Expl	5 dsl	1100	Idco Super 711	1100	130

• Contractor	Type Power, Rig No. •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With

ASIA PACIFIC (Cont'd)

AUSTRALIA (Cont'd)						
Oil Drlg Expl	6	dsl	1200	Nat 55	850	100
	8	dsl	350	Idco H35	500	45
	12	dsl	1500	Idco H725	750	100
	15	dsl	2000	Idco H1700	2000	170
	16	dsl	1600	Idco 1200	1600	140
Pool-Intairdril	9	dsl	420	Cbot 1058/ 160	420	50
	216	dsl		Wils Super 38	350	34
Richter Drlg Pty	2	dsl	1600	Nat 55	900	100
	4	dsl	600	Nat T32	300	60
	5	dsl		Coop 750		100
	9	dsl	2000	Nat 80B	1000	120
	11	dsl		Coop 750	375	100
	14	d-e	2000	Nat 80UE	1000	120
	16	dsl	275	S/B RR550	450	65
Simmons Drlg	SC#1	dsl	350	Hycalog HH6000	350	68
BRUNEI						
Deutsche Tiefbohr	T-41	dsl	1800	Wils 780	780	80
INDONESIA						
Bawden Drlg Intl	6	dsl	1000	Nat T45	550	75
	28	dsl	925	C-E GB350	350	72
	51	dsl	1200	Sup 700	700	100
Deutsche Tiefbohr	T-31	dsl	1000	Wils 780	910	80
Houlder Marine Drlg	1	d-e	1600	Nat 80UE	1000	120
Loffland Bros	56	dsl	900	MC U36A	900	100
	139	dsl	1400	MC U36	900	100
	300	dsl	600	MC U34	500	40
Parker Drlg	115-HH/8	dsl	1200	OIME HH1500	1700	180
	125-HH/ 13	dsl	1200	OIME HH1500	1700	180
	130-HH/ 18	dsl	1500	OIME TBA2000	1700	200
	156-HH/ 35	dsl	2000	OIME TBA2000	2000	200
	160-HH/ 37	dsl	2000	OIME TBA2000	2000	200
	188-HH/ 38	dsl	2400	OIME TBA2400	2400	240
	190-HH/ 39	dsl	2000	OIME TBA2000	2000	200
PT Mafhabor Indonesia	MBI 1	dsl	600	Nat 610	750	120
PT Meta Epsi Drlg	1	dsl	1600	Nat 610	850	120
	2	d-e	1050	HS1500E	1500	150
	3	d-e	1050	HS1500E	1500	150
	4	d-e	2600	S/B NE95A	1800	200
Richter Drlg Pty	7	dsl	1600	Nat 610	750	100
MALAYSIA						
Parker Drlg	106-HH/3	dsl	1600	OIME HH1250B	1275	140
NEW GUINEA						
Bawden Drlg Intl	29	d-e	1400	Nat 80E	1000	120
Parker Drlg	140-HH/ 28	dsl	1500	OIME TBA2000	1700	200
	146-HH/ 32	dsl	2000	OIME TBA2000	1700	200
NEW ZEALAND						
Oil Drlg & Expl	17	d-e	2800	Idco E2100	2800	210
PAKISTAN						
Challenger Ltd	61E	dsl	2800	G-D 1100E	1500	200
Deutsche Tiefbohr	T-10	dsl	2700	Nat 110H	1500	160
	T-35	dsl	1600	Coop LTO750	750	100
Little-Deutag	T-35	dsl	1800	Coop LTO750	750	100
Parker Drlg	126-HH/ 14	dsl	1500	OIME TBA2000	1700	200
Pool-Intairdril	218	dsl		Idco H44	750	85
PHILIPPINES						
PNOC Energy Drlg	1	dsl	1650		1650	125
	2	dsl	583	Wils Mogul 42	466	50/ 3.5"
	3	dsl	1100	Idco H725	1100	85
	4	dsl	1350	Nat 610	1100	100
	5	dsl	1350	Nat 610	1100	100
	6	dsl	1350	Nat 61C	1100	100
	7	dsl	660	Idco H525	684	80
	8	dsl	2000	C-E D3	2000	125
	9	dsl	1100	Nat 370	730	70
	10	dsl	4000	Idco E2100	2000	210
Richter Drlg Pty	6	dsl	1350	Nat 100	1000	140
	8	dsl	1400	Nat 110M	1100	150

• Contractor	Type Power, Rig No. •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With

ASIA PACIFIC (Cont'd)

SINGAPORE						
Bawden Drlg Intl	9	d-e	3200	Nat 1320UE	2000	220
Forex Neptune and/or Affil	45 (Helrig)	d-e	1960	Wils EH120	1100	169
THAILAND						
Deutsche Tiefbohr	T-46	d-e	2600	C-E C2	2000	200
	T-48	d-e	2600	C-E [illegible]300	1000	150
Parker Drlg	194-HH/ 41	dsl	2000	OIME TBA2000	2000	200
	200-HH/ 44	dsl	2000	OIME TBA[illegible]	2000	200

CENTRAL AMERICA

GUATEMALA						
Forex Neptune and/or Affil	30	d-e	3200	G-D	2000	217
	39	dsl	1300	Idco H525	500	90
Helmerich & Payne (Guatemala)	16	d-e	2600	HS1500	1500	180
	45	d-e	3000	Nat 1320UE	2000	250

EUROPE

AUSTRIA						
Preussag Aktiengesellschaft	GH35	dsl	2000	DeMg GH35	1500	185
DENMARK						
Kenting Drlg Serv	21	d-e	2000	Nat 80UE	1000	140/ 5"
FRANCE						
COSIFOR	E-350	dsl	1500	C-E 350	[illegible]	90
	N-110	dsl	2500	Nat 110	[illegible]	180
	610E	d-e	1600	Nat 610E	[illegible]	10
Forex Neptune and/or Affil	3	dsl	1250	Idco H525	700	90
	14	dsl	1600	C-E GC500	500	108
	16	d-e	2900	C-E 1100DE	1500	180
	17	dsl	2000	C-E A800	800	120
	18	dsl	900	Idco H40	500	90
	19	dsl	1850	Nat 55	780	108
	22	d-e	3200	G-D 2100	2300	254
	28	dsl	1200	Idco H25	250	44
	29	dsl	450	Nat 55	700	108
	31	dsl	3200	Idco Super 711	1200	180
GREECE						
SAIPEM	5889	d-e	3200	Idco E3000	3000	300
ICELAND						
Orkustofnun State Drlg Contrs	DOFRI	dsl	1350	Otwl 52T	320	73
	GLAUMUR	dsl	290	Fail 2000	290	37/ 2.88"
	JOTUNN	d-e	1500	G-D 700E	750	140
	NARFI	dsl	580	Fail 3000	290	60/ 3.5"
	YMIR	dsl	180	May 1000	180	18/ 2.37"
ITALY						
Pool-Intairdril	211	e-s	1300	Idco 1700	2000	170
	212	e-s	1200	Idco 1200	1000	125
SAIPEM	5803	dsl	1400	Idco H711	885	114
	5829	d-e	2000	C-E D3	1000	120
	5832	d-e	3200	Idco E2100	2000	200
	5833	d-e	3200	Idco E2100	2000	200
	5836	dsl	2600	Idco 1350S	1950	180
	5840	sl	2600	Idco H1700	1700	165
	5844	dsl	1000	Idco H30		40
	5852	d-e	880	Idco E525	625	60
	5855	dsl	1800	Idco H1200	1740	130
	5856	dsl	1700	Idco H1200	1740	130
	5858	dsl	1135	Idco H40	432	60
	5864	d-e	3200	C-E C3 Type II	3000	300
	5872	d-e	2600	Nat 1625 DE	3000	250
	5888	d-e	3200	Nat 1625 DE	3000	250
	5891	d-e	3200	Nat 110UE	1600	170
	5892	d-e	3200	Nat 110UE	1600	170
	5898	d-e	2600	Idco HE1700	1800	165
	5899	dsl	1400	Crdw 03	1050	104
NETHERLANDS						
Deutsche Tiefbohr	T-19	dsl	2800	Nat 80BE	1000	140
	T-27	d-e	3200	Nat 130	1625	200
	T-32	dsl	420	Idco H35KD	300	30

• Contractor	Type Power, Rig No. •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½-in. Pipe, 100 ft. •	Rated Depth With

EUROPE (Cont'd)

NETHERLANDS (Cont'd)						
Deutsche Tiefbohr	T-40	d-e	2600	Nat 80B	1000	150
Kenting Drlg Serv	34	d-e	1600	Nat 610UE	750	115
PORTUGAL						
Boldon Drlg	81	d-e	1800	Nat 80UE	2000	140/ 5"
SPAIN						
Compania Gen De Sondeos SA	G450	dsl	1050	C-E G450	450	100
	Skytop RR 650	mch	1000	S/B 650	575	20
	110	dsl	2700	Nat T2029	1700	197
	800	dsl	2400	G-D	1470	148
	1320	d-e	2600	Nat 1320UE	2500	200
Sonpetrol	GD-2	dsl	1100	G-D 500	600	100
	N-7	dsl	3200	Nat 1625	3000	250
	N-8	dsl	2000	Nat 80UE	1000	140
	N-9	el	2600	Nat 110	2750	160
SWITZERLAND						
Deutsche Tiefbohr	T-7	dsl	1300	Nat 80B	1000	110
TURKEY						
KCA Drlg	71	dsl	1800	Nat 80B	1000	120
	73	dsl	1800	Nat 80B	1000	120
UNITED KINGDOM						
Boldon Drlg	21	dsl	640	Nat T20	290	45
	22	dsl	640	Nat T20	335	55
	23	dsl	640	Nat T20	280	40
	61	d-e	1200	Otwl 660E	700	100/ 5"
Houlder Marine Drlg	2	d-e	1600	Sup 700E	1000	90
Kenting Drlg Serv	12	dsl	700	S/B N45	350	80/ 4"
	17	dsl	350	Fail 90	350	50/ 3.5"
	19	dsl	350	G-D 3000	230	45/ 3.5"
	26	dsl	700	Sup 400	350	70/ 4"
	31	d-e	2000	Nat 80UE	1000	140/ 5"
	36	d-e	1600	Sup 700UE	700	100
KCA Drlg	94	dsl		Cbot 550	375	45
WEST GERMANY						
Deutsche Tiefbohr	T-1	dsl	335	Idco H1000	910	80
	T-14	dsl	2400	C-E A800	1000	140
	T-3	dsl	420	Idco H44CD	480	50
	T-30	d-e	1000	Idco E725D	725	60
	T-36	dsl	1600	Idco H1000	950	80
	T-4	dsl	500	Idco H30	455	60
	T-47	d-e	3900	C-E C3	3000	300
	T-5	dsl	335	Idco H525D	910	60
	T-8	dsl	335	Idco H1000	910	80
	T-81	dsl	375	Coop LTO350	200	40
	T-82	dsl	375	Coop LTO350	200	40
	T-83	dsl		Salt ZA198	200	
	T-84	dsl		Salt ZA198	200	
	T-85	dsl		Salt ZA198	200	
	T-9	dsl	335	Idco H1000	910	80
	T-92	dsl		H-L 6205	130	
	T-93	dsl		H-L 6205	130	
	T-94	dsl		H-L 6205	130	
	T45	d-e	2600	C-E C2	2000	200
Preussag Aktiengesellschaft	GH-25	dsl	2000	Wirth GH25	1500	140
	ZA292	dsl	500	Salt	180	30
	900/1	dsl	1500	Cbot 2346	840	100
	900/2	dsl	1500	Cbot 2346	840	100
	900/3	dsl	1450	Cbot 2346	900	100
	1320UE	d-e	3200	Nat 3120UE	2000	250
SAIPEM	5870	d-e	3200	Nat 1625 DE	3000	250
Von Rautenkranz Hermann	ITAG 22	dsl	3000	Nat 110M		200
	ITAG-104	dsl	1450	Wils Mogul		80
	ITAG-108	dsl	1600	Wils M75		100
	ITAG-109	dsl	600	Wils M75		700
	ITAG-23	d-e	3000	Otwl 2000E		250

MIDDLE EAST

BAHRAIN						
Santa Fe Drlg	142	dsl	2600	Nat 110UE	1500	180
IRAN						
SAIPEM	5837	dsl	2600	Idco 1350S	1950	180
IRAQ						
SAIPEM	5843	d-e	2800	Otwl E2000	2000	200
	5848	dsl	2600	Idco H1700	1700	165
	5849	dsl	2600	Idco H1700	2000	165

MIDDLE EAST (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
KUWAIT						
Energeers Ltd	1	d-e	2000	MC D3	1000	130
Parker Drlg	189	d-e	3200	OIME 3000E	3000	300
Santa Fe Drlg	KDC 10					
	KDC 11					
	KDC 5					
	KDC 6					
	KDC 7					
OMAN						
Deutsche Tiefbohr	T-17	d-e	2700	Nat 1320UE	1800	200
	T-18	dsl	3200	Nat 55	1000	110
	T-29	d-e	2600	Nat 1320ME	2000	200
	T-33	dsl	1600	Nat 55	1000	110
	T-34	dsl	1800	Idco H1000	950	80
Forex Neptune and/or Affil	12	dsl	1800	Idco Junior 1200	1400	115
	15	d-e	3200	Idco Super 711	1200	180
	21	d-e	3200	G-D 2100E	2300	254
	23	d-e	3200	G-D 2100RE	3000	254
	57	dsl	2000	Otwl 760	1000	150
	58	dsl	2000	Nat 80B	1000	157
Pool-Intairdril	6	dsl	600	Cbot 750	650	75
QATAR						
Deutsche Tiefbohr	T-6	dsl	500	Idco H1000	910	80
Santa Fe Drlg	89	d-e	2000	Nat 110UE	1800	180
	131					
SAUDI ARABIA						
Blocker Drlg-Alice	7	dsl	1400	Cbot 900	950	100
	19	dsl	1475	Cbot 2346	950	100
Loffland Bros	126	d-e	3200	MC U1220EBD	2000	250
	127	d-e	3200	MC U1220EBD	2000	250
	128	d-e	3200	MC U1220EDB	2000	250

MIDDLE EAST (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
SAUDI ARABIA (Cont'd)						
Pool Arabia	15	dsl	420	Idco BIR550	420	65
	23	dsl	300	Idco H40	450	80
	29	dsl	420	Cbot 1058	420	60
	40	dsl	600	Cbot 700	600	65
	128	dsl	600	Cbot III	450	65
	138	dsl	450	Cbot	450	65
	190	dsl	550	Cbot	700	75
	191	dsl	550	Cbot	700	75
	192	dsl	530	I-R 2042/160	700	85
	193	dsl	500	I-R 2042/160	700	85
	194	dsl	750	I-R 2042/160	700	85
	195	dsl	750	I-R 2042/160	700	85
	201	dsl	1400	Otwl	1000	120
	202	dsl	1400	Otwl	1000	120
	203	dsl	1400	Otwl	1000	120
Santa Fe Drlg	67	d-e	2400	Nat 1320DE	3400	200
	70	d-e	2000	Nat 1320DE	3400	200
	90	d-e	2000	Nat 1320DE	2000	200
	101	d-e	2600	Nat 110UE	1500	180
	104	d-e	3400	Nat 1100UE	1500	180
	109	d-e	2000	Nat 110UE	1800	180
SYRIA						
Forex Neptune and/or Affil	25	d-e	3200	G-D 2100RE	3000	254
UNITED ARAB EMIRATES						
Forex Neptune and/or Affil	32	d-e	3200	G-D 1100E	1500	180
	34	d-e	3200	G-D 1100	1500	180
	40	d-e	2000	Nat 80UE	1000	157
	58	dsl	2000	Nat 80B	1000	157
Geoprosco Intl	36	dsl	725	Idco H900	725	100
	42	d-e	725	Idco ED900	1000	100
	43	d-e	700	Idco ED900	1000	100
Pool-Intairdril	213	el	900	Idco 900	1000	105
	214	el	900	Idco 900	1000	105
	215	el	900	Idco 900	1000	105

MIDDLE EAST (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNITED ARAB EMIRATES (Cont'd)						
Santa Fe Drlg	KDC 8	d-e	2800	OIWELL E2000	2000	200
	KDC 9	d-e	2800	Otwl E2000	2000	200
	SF 144	d-e	3400	Otwl E2000	2000	250
	SF 145	d-e	1700	Otwl E2000	2000	250
	93	d-e	1700	Nat 80UE	700	120
	121	d-e	3400	Otwl 2000E	3000	250
	139	dsl	3400	Otwl E2000	2000	250
	143					
	144					
	145					
Sedco Inc	59	dsl	2800	Otwl 860	2200	160
	91	d-e	3400	Nat 110UE	2000	180
	95	d-e	3400	Nat 1320UE	2000	200
	96	d-e	3400	Otwl E2000	2000	200
	97	d-e	3400	Otwl E2000	2000	200
Sonat Offshore Drlg	14	dsl	2800	C-E C2 Type II	2000	200
SAIPEM	5827	d-e	3200	Idco E2100	2000	200
	5828	d-e	3200	Idco E2100	2000	200
	5887	d-e	3200	Nat 1625 DE	3000	250

SOUTH AMERICA

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
ARGENTINA						
Compania Naviera Perez Companc	1	dsl	1400	Crdw J450	700	89
	2	dsl	1400	Crdw J450	700	89
	3	dsl	1400	Crdw J450	700	89
	4	dsl	1400	Crdw J450	700	89
	5	dsl	1400	Crdw KM250	350	59
	6	dsl	1400	Crdw KM250	350	59
	29	dsl	1600	G-D 700	700	100
	36	dsl	1600	G-D 800	1050	120
	37	dsl	1400	Crdw KB210	350	59
	42	dsl	1000	G-D 700	1700	100
	45	d-e	2800	Idco E1700	1700	152
	46	dsl	1500	G-D 500M	700	100

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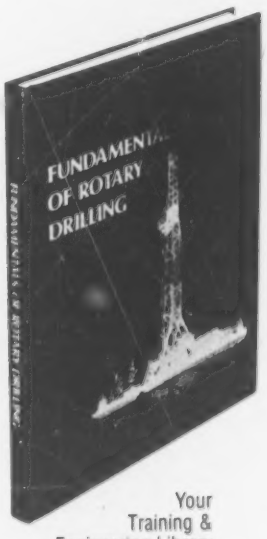

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SOUTH AMERICA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
ARGENTINA (Cont'd)						
Quitral-Co SAIC	P-01	d-e	2000	C-E Electrohoist II	2100	165
	P-02	d-e	2000	C-E Electrohoist II	2100	180
	P-07	dsl	1200	Idco H40	450	65
	P-08	dsl	1500	MC U36	900	100
	P-12	dsl	1500	Wils	520	20
Rio Colorado SA	E-101	dsl	1250	MC U36A	700	100
	E-102	dsl	1250	MC U36A	1000	100
	E-103	dsl	1250	MC U36A	1000	100
	E-105	dsl	1000	C-E GC350	800	90
	E-107	dsl	1800	Nat 100N	1500	160
	E-108	dsl	1250	Nat	800	100
	E-109	dsl	1250	Nat N75	1500	110
	E-110	dsl	1000	Idco H40	500	80
	E-111	dsl	1500	G-D 800DW	900	110
	E-112	dsl	1000	Idco H40	500	65
	E-113	dsl	1600	G-D 800DW	1200	120
	E-125	dsl	880	Idco H37	500	65
	E-126	dsl	2600	Nat 1320UE	2000	200
	E-127	d-e	2660	G-D 1500E	2000	200
	E-128	d-e	1140	Idco E525	1000	100
	E-129	dsl	1600	Nat 75	1000	100
	E-130	dsl	1320	Idco H40	450	80
	E-132	dsl	1320	Idco H40	550	80
	E-134	d-e	2600	Nat 1625DE	3000	250
	E-137	dsl	1900	Idco H1200	2500	150
	E-301	dsl	230	Crdw KB500	380	120
	E-302	dsl	160	W-M 1538B	380	110
	E-307	dsl	160	Idco H-25	380	100
	E-309	dsl	230	Idco KB210A	280	100
	E-310	dsl	230	Crdw KB200C	380	100
	E-317	dsl	550	Crdw KB200C	370	100
	E-318	dsl	550	Idco H30	230	110
	E-319	dsl	550	Idco H30	230	110
	E-320	dsl	550	Idco H30	230	110
	E-323	dsl	550	Idco H30	230	110
	112	dsl		Idco H40		65
	146	dsl				150

SOUTH AMERICA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
ARGENTINA (Cont'd)						
Rio Colorado	303	dsl		W-M 1538B		110
	304	dsl		W-M 1538B		110
	305	dsl		Wils Super 38		110
	306	dsl		Crdw K210A		100
	308	dsl		Crdw K200		100
	311	dsl		Wils Super 38		110
	312	dsl		Crdw KB150		90
	321	dsl		Idco M20D		85
	322	dsl		Idco M20D		85
	324	dsl		Idco M20D		85
	325	dsl		Idco H25		95
	326	dsl		Crdw KB210A		100
	327	dsl		Idco H20		85
BOLIVIA						
Helmerich & Payne Rasco	9	d-e	1600	HS1500	1500	180
	11	d-e	1600	HS1500	1500	180
Rio Colorado SA	E-104	dsl	1000	Idco H525	800	100
BRAZIL						
Engepetro-Engennaria de Petroleo	EG-1		2600	Idco ES2100		200
	EG-2		2600	Idco ES2100		200
Parker Drlg	132-HH/20	dsl	1500	OIME TBA2000	1500	200
	134-HH/22	dsl	1500	OIME TBA2000	1500	200
	151-HH/34	dsl	1500	OIME TBA2000	1500	200
	185-HH/40	dsl	2000	OIME TBA2000	2000	200

SOUTH AMERICA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
BRAZIL (Cont'd)						
Rio Colorado SA	E-119	dsl	1650	C-E A800	1600	120
	E-120	dsl	2600	S/B N95A	2250	140
	E-121	d-e	2600	S/B N95A	2000	160
	E-122	d-e	2600	S/B N95A	2000	180
	E-123	d-e	2600	Nat 1320E	2000	200
	E-124	d-e	2600	Nat 1320E	2000	200
COLOMBIA						
Helmerich & Payne (Colombia)	7	d-e	2000	HS1500	1500	180
	10	d-e	1600	HS1500	1500	180
Parker Drlg	104	dsl	1500	Nat 50A	1500	100
	158	dsl	1500	Nat 80B	1500	140
	209	dsl	750	Nat 50	750	100
	216	dsl	3200	OIME 2000M	3200	250
	219	dsl	3200	OIME 2000M	3200	250
	110-HH/9 197-HH/43	dsl	1500	OIME HH1500	1500	170
		dsl	2000	OIME TBA2000	2000	200
Pool-Intairdril	207	dsl	400	Wils Mogul 42	400	
	208	dsl	2000	OIME	1000	120
	209	dsl	2000	OIME	1000	120
Rio Colorado SA	135	dsl	1100	Idco H40	600	80
	144	dsl		S/B N85		140
ECUADOR						
Helmerich & Payne Del Ecuador	12	d-e	1600	HS1500	1500	160
	18	dsl	600	Coop LTO550	350	60
Parker Drlg	135	dsl	1500	OIME TBA2000	1500	200

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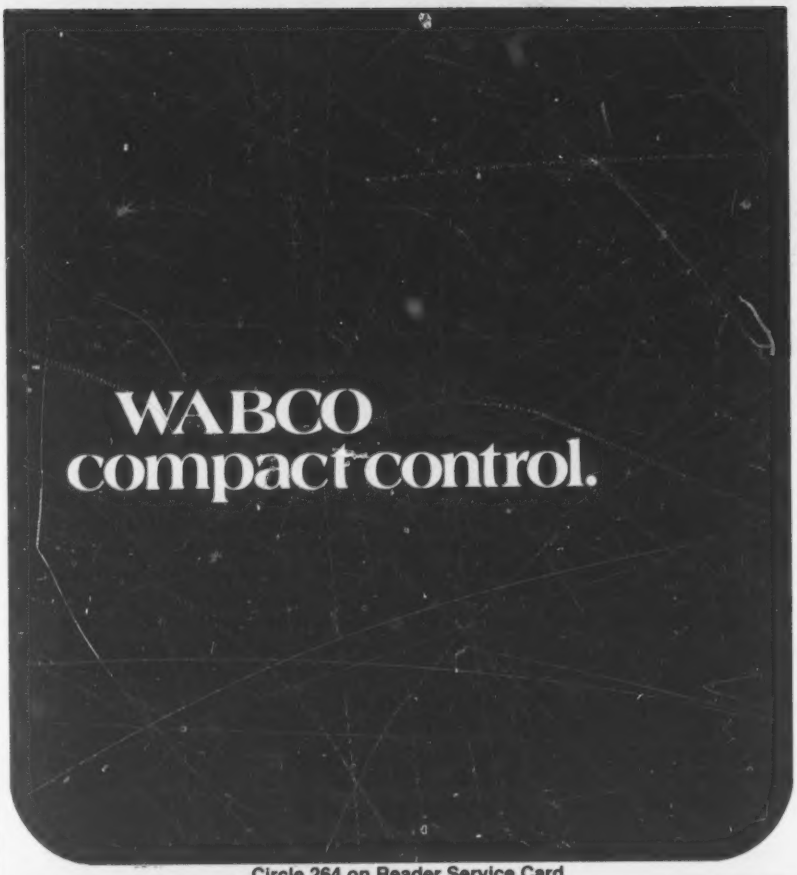
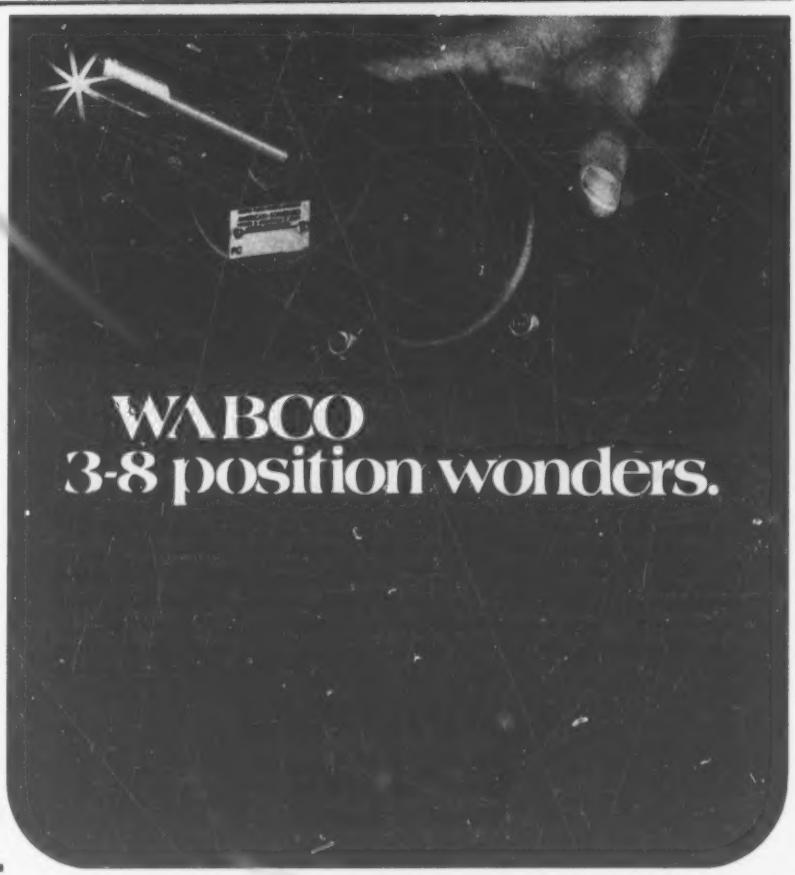
Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
SOUTH AMERICA (Cont'd)						
ECUADOR (Cont'd)						
Parker Drlg	156	dsl	2200	Oilwell 76	1560	150
Pool-Intairdril	126	dsl	230	Wils Mogul 42	450	65
	210	dsl	400	Wils DD42428	450	30
	217	dsl	400	Idco H37	450	
PERU						
Blocker Intl	21	dsl	550	Idco H37	456	70
	22	dsl	550	Idco H37	456	70
	23	dsl	550	Idco H37	456	70
	24	dsl	550	Idco H37	456	70
	31					150
	34					150
Parker Drlg	155	dsl	1500	OIME TBA2000	1500	200
	206	dsl	2000	OIME TBA2000	2000	200
	207	dsl	2000	OIME TBA2000	2000	200
	107-HH/4	dsl	1500	OIME HH1250A	1500	150
	108-HH/5	dsl	1500	OIME HH1500	1500	150
	127-HH/15	dsl	1500	OIME TBA2000	1500	200
	131-HH/19	dsl	1500	OIME TBA2000	1500	200
	144-HH/30	dsl	1500	OIME TBA2000	1500	200
	145-HH/31	dsl	1500	OIME TBA2000	1500	200
	154-HH/35	dsl	1500	OIME TBA2000	1500	200
Rio Colorado SA	E-106	dsl	1000	C-E GC350T	1000	90
	E-114	dsl	900	Crdw KT250	500	60
	E-115	dsl	900	Crdw KT250	500	60
	E-116	dsl	900	Crdw KT250	500	60
	E-117	dsl	900	Crdw KT250	500	60
	E-118	dsl	600	I-R RT5	200	30
	313	dsl		Crdw KB150		90
	314	dsl		Crdw KB150		90
	315	dsl		Crdw KB150		90
	316	dsl		Crdw KB150		90
TRINIDAD & TOBAGO						
Skinner Marine Oper	15	dsl	280	Cbot 200CA Rocket	280	30
	16	dsl	660	Cbot 1287	300	40
	17	dsl	1200	Otwl 660		90
	18	d-e	4000	Otwl 840E	2000	160
VENEZUELA						
Helmerich & Payne CA	3	dsl	600	Idco H37	600	60
	6	dsl	300	Idco H44	400	50
	14	dsl	600	Idco H37	400	60
	17	dsl	600	Coop LTO550	600	60
	19	dsl	600	Coop LTO550	600	60
	20	dsl	600	Coop LTO550	600	60
	21	dsl	600	Coop LTO550	600	60
	28	dsl	1500	Nat 110	1500	180
	30	dsl	1200	Idco H525	1200	100
	31	dsl	1200	Idco H525	1000	100
	67	dsl	1500	Nat 110	1500	180
Loffland Bros	14	dsl	700	MC U36A	785	90
	24	d-e	2000	Nat 100E	2000	160
	41	dsl	2000	MC U914C	2000	200
	54	d-e	2900	MC U1220EB	3300	280
	61	dsl	500	Idco H525	566	65
	68	d-e	3200	MC U1220EB	3300	280
	94	d-e	2000	MC U20E	1900	160
Santa Fe Drlg	2	dsl	1700	Nat 130	1800	200
	8	dsl	2200	Nat 130	1800	200
	9	dsl	1850	Nat 130	1800	200
	15	dsl	800	Idco 525	600	90
	16	dsl	600	Nat T32	250	50
	20	dsl	800	Idco H40D	350	70
	21	dsl	1200	MC U914B	1800	200
	22	dsl	350	Idco H35	350	50
	24	dsl	350	Idco H35	350	50
	110	d-e	2000	Nat 1320UE	2000	200
	115	d-e	2000	Nat 1320DE	3400	200
	119	d-e	2800	Otwl E2000	2000	200
	125	dsl	800	Hoop GXTA	450	60
	129	dsl	1750	G-D 500M	650	90



Circle 264 on Reader Service Card



Circle 265 on Reader Service Card